SKROBOV, S.A., glav. red.; TYZHNOV, A.V., zam. glav. red.; SHABAROV, N.V., zam. glav. red.; AMMOSOV, I.I., redaktor; red.; BURTSEV, D.N., red.; IVANOV, G.A., red.; KOROTKOV, G.V., red.; KOTLUKOV, V.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., redaktor; MOLCHANOV, I.I., redaktor; NEKIPELOV, V.Ye., red.; PONOMAREV, T.N., red.; POPOV, V.S., red.; PROKHOROV, S.P., red.; YAVORSKIY, V.I., red.; LAGUTINA, V.V., red. toma; LEVENSHTEYN, M.L., red. toma; SHIROKOV, A.Z., red. toma; IZRAILEVA, G.A., red.izd-va; KROTOVA, I.Ye., red. izd-va; IVANOVA, A.G., tekhn. red.

[Geology of coal and combustible shale in the U.S.S.R.]Geologiia mestorozhdenii uglia i goriuchikh slantsev SSSR. Glav. red. I.I. Ammosov i dr. Moskva, Gosgeoltekhizdat. Vol.1.[Coal basins and deposits in the south of the European part of the U.S.S.S;;Donets Basin, Dnieper Basin, Lvov-Volyn' Basin, deposits of the western provinces of Moldavia and the Ukraine, White Russia, Transcaucasia and the Northern Caucasus] Ugol'nye basseiny i mestorozhdeniia iuga Evropeiskoi chasti SSSR; Donetskii bassein, Dneprovskii bassein, L'vovsko-Volynskii bassein, mestorozhdeniia zapadnykh oblastei Ukrainy i Moldavii, Belorussii, Severnogo Kavkaza i Zakavkaz'ia. 1963. 1210 p. (MIRA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskiy komitet.

KRASHENINNIKOV, G.F.; TYZHNOV, A.V.

New map of the distribution of coal-bearing sediments in the U.S.S.R. Izv. AN SSSR. Ser. geol. 28 no.7:94-97 Jl '63. (MIRA 16:12)

BURTSEV, D.N.; MOLCHANOV, I.I.; SKROBOV, S.A.; TYZHNOV, A.V.

"Coal" by P.V.Vasil'ev. Reviewed by D.N.Burtsev and others.
Sov.geol. 5 no.3:157-160 Mr '62. (MIRA 15:4)
(Coal) (Vasil'ev, P.V.)

BELYAYEVSKIY, N.A., red.; ALI-ZADE, A.A., red.; ALIYEV, M.M., red.; BAKIROV, A.A., red.; BELOUSOV, V.V., red.; BEUS, A.A., red.; BOGDANOV, A.A., red.; BORISOV, A.A., red.; BRENNER, M.M., red.; DYUKOV, A.I., red.; YERSHOV, A.D., red.; ZARIDZE, G.M., red.; KALUGIN,A.S., red.; KOSOV, B.M., red.; KOPTEV-DVORNIKOV, V.S., red.; KOTLYAR, V.N., red.; LUGOV, S.F., red.; MAGAK'YAN, I.G., red.; MARINOV, N.A., red.; MARKOVSKIY, A.P., red.; MALINOVSKIY, F.M., red.; PUSTOVALOV, L.V., red.; SATPAYEV, K.I., red.; SEMENENKO, N.P., red.; TYZHNOV, A.V., red.; KHRUSHCHOV, N.A., red.; SHCHEGOLEV, D.I., red.; YARMOLYUK, V.A., red.

[Materials on regional tectonics of the U.S.S.R.] Materialy po regional'noi tektonike SSSR. Moskva, Izd-vo "Nedra," 1964. 193 p. (MIRA 17:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskiy komitet.

TYZHNOV, A.V.

Simplifying numerical data in geological documentation. Razv. i okhr. nedr. 24 no.4:15-19 Ap '58. (MIRA 11:5)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Coal geology)

TYZHNOV, A.V.

Stratigraphic correlation of lower Carboniferous sediments in the southern part of the Minusinsk Lowland. Sov. geol. 1 no.10:155-156 O '58. (MIRA 12:3)

1.Ministerstva geologii i okhrany nedr SSSR.
(Minusinsk Lowland--Geology, Stratigraphic)

SHABAROV, N.V.; TYZHNOV, A.V.

Coal resources of the U.S.S.R. Sov. geol. no.60:105-117 '57.
(MIRA 11:3)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Coal mines and mining)

TYZHNOV, A.V.

SHABAROV, N.V., red.; TYZHNOV, A.V., red.; VERSTAK, G.V., red.izd-va; AVERKIYEVA, T.A., tekhn.red.

[Reserves of coal and oil shale in the U.S.S.R.; a brief summary of calculations made in 1956] Zapasy uglei i goriuchikh slantsev SSSR; kratkaia svodka rezul'tatov podscheta 1956 g. Pod red. N.V. Shabarova i A.V.Tyzhnova. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1958. 178 p. (MIRA 11:5)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. (Coal) (Oil shales)

AUTHOR: Tyzhnov, A.V. 132-58-4-4/17

TITLE: Simplification of Numerical Data in Geologic Reports (Uproshcheniye tsifrovogo materiala v geologicheskikh otchëtakh)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 4, pp 15-18

ABSTRACT: In this article, the author recommends a restrained use of numerical data in the reports submitted by various geological organizations.
There are 4 Soviet references.

ASSOCIATION: Ministerstvo geologii i okhrany nedr SSSR (USSR Ministry of Geology and Conservation of Mineral Resources)

AVAILABLE: Library of Congress

Card 1/1 1. Geology 2. Scientific reports

TYZHNOV, A.V.

Study of coal fields during the last 40 years. Razved. i okh. nedr, 23 no.11:27-36 N '57. (MIRA 10:11)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Coal geology)

TYZHNOV, A.V.

[Fossil coal] Iskopaemye ugli. Moskva, Gosgeoltekhizdat, 1954. 52 p.
(MLRA 7:12D)

TYZHNOV, A.V.

"Geological mapping" by V.A. Aprodov. Reviewed by A.V. Tyzhnov.
Razved.i okh.nedr 20 no.1:58-63 Ja-F '54. (MLRA 9:12)

(Geology--Maps) (Aprodov, V.A.)

TYZHNOV, A.Y.

Cost of prospecting. Razved.i okh.nedr 21 no.5:31-36 S-O '55. (MLRA 9:12)

(Prospecting) (Boring)

TYZHNOV, A.V.

SHERBAKOV, D.I., akademik, redaktor; DROZDOV, M.D., redaktor; SHMANENKOV, I.V., redaktor; POGREBITSKIY, Ye.O., professor; GOLUBYATNIKOV, V.D. professor, VARFOLOMEYEV, P.N.,; VUL'F, T.Ye.,; TYZHNOV, A.V., redaktor; SERGEYEVA, N.A., redaktor; KATS, M.Ye., tekhnicheskiy redaktor.

[Mineral resources in the national economy; an album] Poleznye iskopaemye v narodnom khoziaistve; al'bom. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr. No.1 [Energy-producing raw materials ------- Explanatory text] Energeticheskoe syr'e 1955. 12 plates ---- Poiasnitel'nyi tekst. Sost. P.N.Varfolomeev i T.E. Vul'f. Konsul'tanty E.O.Pogrebitskii i V.D.Golubiatnikov. 29 p.
(Fuel) (MLRA 8:11)

TYZHNOV, G.I.

Determining stresses by the method of brittle coats. Zav. lab. no.4:487-488 '60. (MIRA 13:6)

1. Tomskiy manometrovyy zavod.
(Protective coatings--Testing) (Strains and stresses)

SOV/122-59-5-23/32

AUTHOR: Tyzhnov, G.I., Engineer

TITLE: Forming of Chamfers at Hole Edges by the Pressing-In of Taper Punches (Obrazovaniye fasok na kromkakh otverstiy metodom vdavlivaniya konusa)

PERIODICAL: Vestnik mashinostroyeniya, 1959, Nr 5, pp 68-69 (USSR)

ABSTRACT: Part of a press tool for chamfering of hole edges by tapered punches simultaneously in 7 holes is illustrated. The included angle of the punch should be 110-120°. A smaller angle produces too much embossing around the edge which is difficult to remove in subsequent tapping. The method proved satisfactory in brass components. In steel components, the strain hardening of the edge may cause excessive wear on taps. There is 1 figure.

Card 1/1

1 YZHNOV, V. I.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 593 - I

BOOK Call No.: TN741.T9

Author: TYZHNOV, V. I., Doc. of Tech. Sci.
Full Title: SELF-DEOXIDIZING ACID OPEN-HEARTH PROCESS. 3rd. ed., rev. and supp.
Transliterated Title: Kremnevosstanovitel'nyy martenovskiy protsess. Izd. 3-e isp. i dopol.

PUBLISHING DATA
Originating Agency: None
Publishing House: State Scientific and Technical Publishing House of Literature on Ferrous and Nonferrous Metallurgy
Date: 1947 No. pp.: 312 No. of copies: 3,000
Editorial Staff: None

PURPOSE: This monograph is intended for research scientists, metallurgists and engineers working in the field of ferroalloys.

TEXT DATA
Coverage: This book outlines the production of alloy steels in acid open-hearth furnaces by the self-deoxidizing method (reduction of silicon from the slag). This third edition is supplemented with a description of structural and tool alloy steels made with the addition of vanadium. These steels are smelted in acid and base electric furnaces and instead of ferrovanadium use the open-hearth and converter basic vanadium slags and their concentrates. The book

. Kremnevosstanovitel'nyy martenovskiy protsess. AID 593 - I
Izd. 3-e isp. i dopol.

also explains the method by which in the melting of electro-metal numerous deoxidizers and degasifiers are applied to decrease the amount of gases formed in the process. The author presents his views on some material advantages of open-hearth processed metal over the electrically-processed metal, for example, its unique property in avoiding the formation of various defects such as flakes, the gas segregation of nonmetallic admixtures, and others. This study is based on data from Russian and non-Russian literature and also on experiments conducted by the author, the latter mainly on the nickel and vanadium-containing steels. Photos, diagrams, tables.
No. of References: Total 37: Russian 23, 1915-1939 and non-Russian 14, 1917-1938.
Facilities: None

2/2

TYZHNOV, V. I.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 593 - I

BOOK Call No.: TN741.T9

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PUBLISHING DATA

Originating Agency: None
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Kremnevosstanovitel'nyy martenovskiy protsess. AID 593 - I
Izd. 3-e isp. i dopol.

also explains the method by which in the melting of electro-metal numerous deoxidizers and degasifiers are applied to decrease the amount of gases formed in the process. The author presents his views on some material advantages of open-hearth processed metal over the electrically-processed metal, for example, its unique property in avoiding the formation of various defects such as flakes, the gas segregation of nonmetallic admixtures, and others. This study is based on data from Russian and non-Russian literature and also on experiments conducted by the author, the latter mainly on the nickel and vanadium-containing steels. Photos, diagrams, tables.
No. of References: Total 37: Russian 23, 1915-1939 and non-Russian 14, 1917-1938.
Facilities: None

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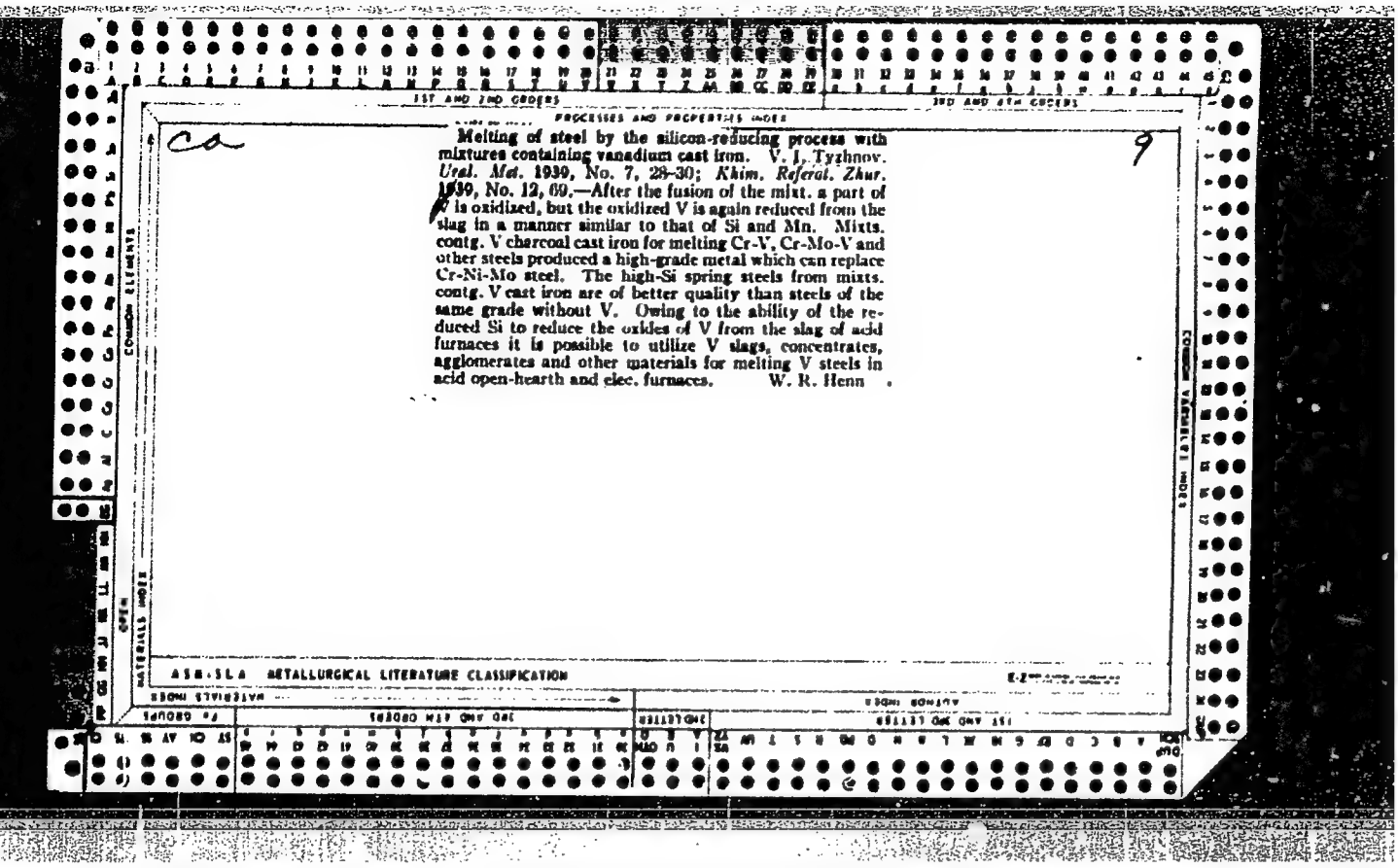


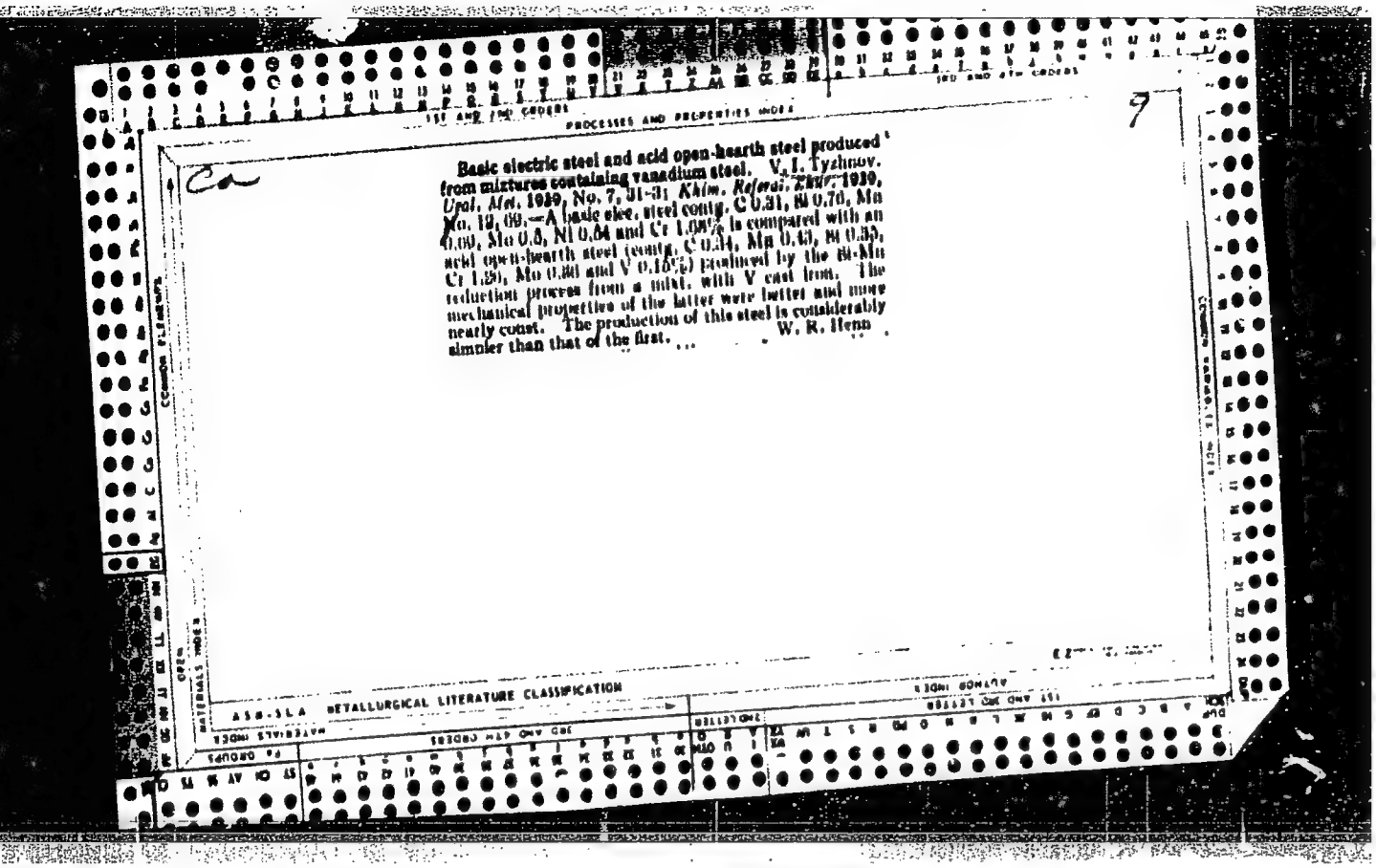
Ca

9

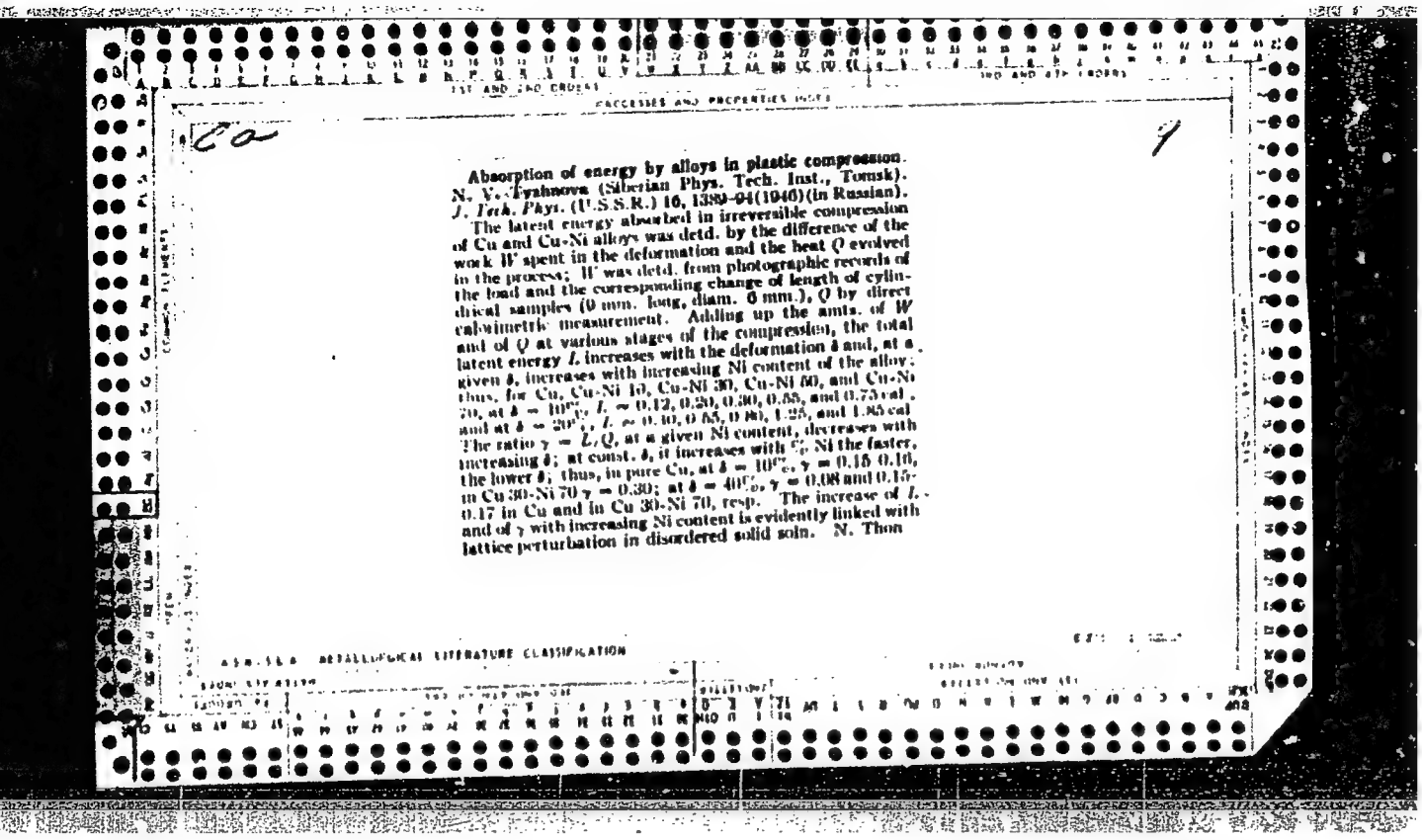
Melting of steel by the silicon-reducing process with mixtures containing vanadium cast iron. V. I. Tyzhnov. *Ural. Met.* 1939, No. 7, 28-30; *Khim. Referat. Zhur.* 1939, No. 12, 69.—After the fusion of the mixt. a part of V is oxidized, but the oxidized V is again reduced from the slag in a manner similar to that of Si and Mn. Mixts. contg. V charcoal cast iron for melting Cr-V, Cr-Mo-V and other steels produced a high-grade metal which can replace Cr-Ni-Mo steel. The high-Si spring steels from mixts. contg. V cast iron are of better quality than steels of the same grade without V. Owing to the ability of the reduced Si to reduce the oxides of V from the slag of acid furnaces it is possible to utilize V slags, concentrates, agglomerates and other materials for melting V steels in acid open-hearth and elec. furnaces. W. R. Henn

TYZHNOV, Vsevolod Ivanovich, 1870-

[Self deoxidizing acid open-hearth process] Kremnevosstanovitel'nyi martenovskii protsess. Izd.3., ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-ve lit-ry po chernoi i tsvetnoi metallurgii, 1947. 312 p. (MLRA 7:5)
(Open-hearth process)



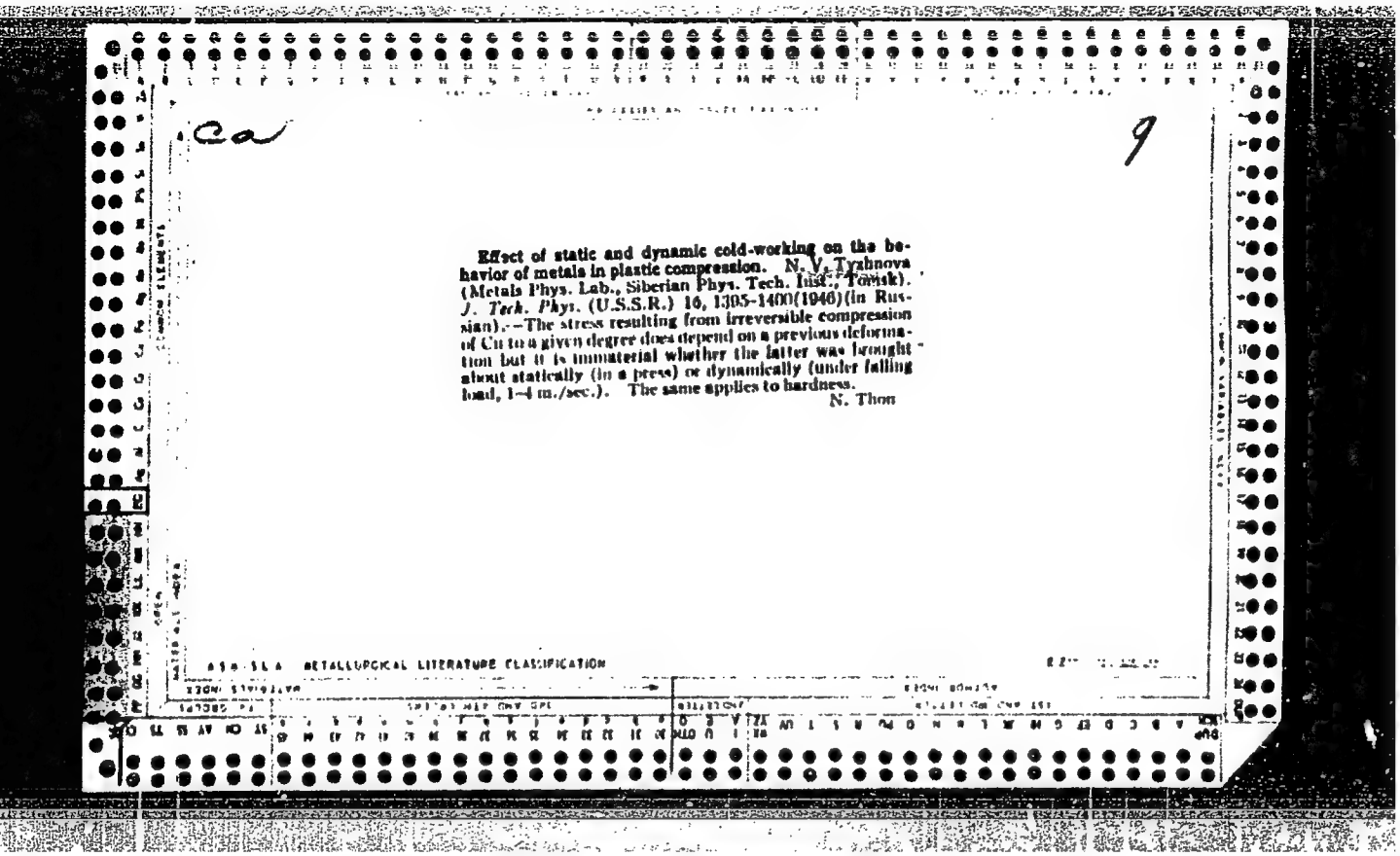
Basic electric steel and acid open-hearth steel produced from mixtures containing vanadium steel. V. I. Tyzhnov. *Ural. Met.* 1939, No. 7, 31-31; *Khim. Referat. Zhur.* 1939, No. 12, 69.—A basic elec. steel contg. C 0.31, Si 0.70, Mn 0.60, Mo 0.5, Ni 0.64 and Cr 1.08% is compared with an acid open-hearth steel (contg. C 0.34, Mn 0.45, Si 0.35, Cr 1.59, Mo 0.80 and V 0.16%) produced by the Si-Mn reduction process from a mixt. with V cast iron. The mechanical properties of the latter were better and more nearly const. The production of this steel is considerably simpler than that of the first. ... W. R. Henn



Ca

1

Absorption of energy by alloys in plastic compression. N. V. Tyahnova (Siberian Phys. Tech. Inst., Tomsk). *J. Tech. Phys.* (U.S.S.R.) 16, 1389–94(1946)(in Russian). The latent energy absorbed in irreversible compression of Cu and Cu-Ni alloys was detd. by the difference of the work *W* spent in the deformation and the heat *Q* evolved in the process; *W* was detd. from photographic records of the load and the corresponding change of length of cylindrical samples (0 mm. long, diam. 6 mm.), *Q* by direct calorimetric measurement. Adding up the amts. of *W* and of *Q* at various stages of the compression, the total latent energy *L* increases with the deformation δ and, at a given δ, increases with increasing Ni content of the alloy; thus, for Cu, Cu-Ni 10, Cu-Ni 30, Cu-Ni 50, and Cu-Ni 70, at $\delta = 10\%$, $L = 0.12, 0.20, 0.30, 0.55$, and 0.75 cal., and at $\delta = 20\%$, $L = 0.40, 0.65, 0.80, 1.25$, and 1.85 cal. The ratio $\gamma = L/Q$, at a given Ni content, decreases with increasing δ; at const. δ, it increases with % Ni the faster, the lower δ; thus, in pure Cu, at $\delta = 10\%$, $\gamma = 0.15$ 0.10, in Cu 30-Ni 70 $\gamma = 0.30$; at $\delta = 40\%$, $\gamma = 0.08$ and 0.15; 0.17 in Cu and in Cu 30-Ni 70, resp. The increase of *L* and of γ with increasing Ni content is evidently linked with lattice perturbation in disordered solid soln. N. Thon

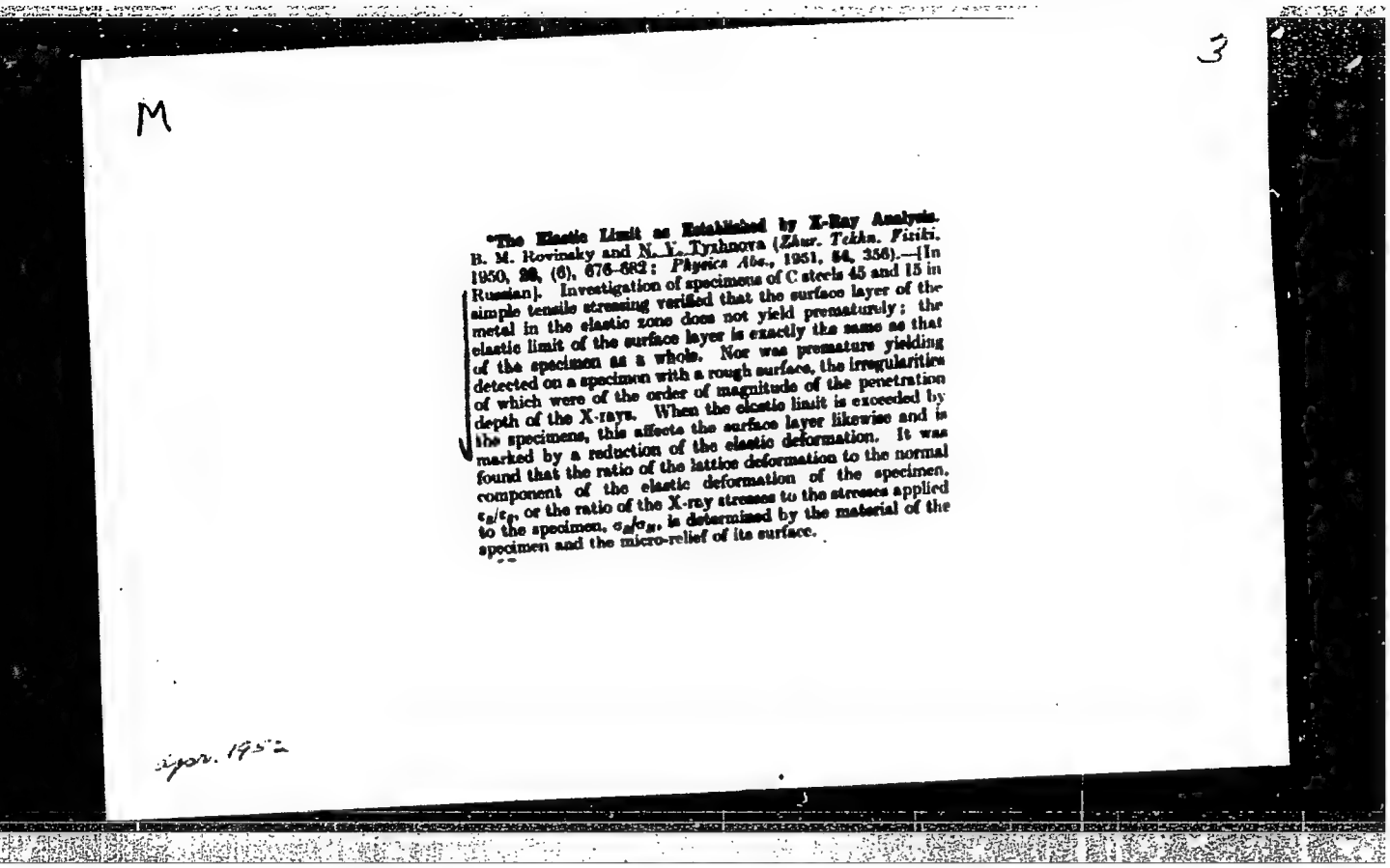


Ca

9

Effect of static and dynamic cold-working on the behavior of metals in plastic compression. N. V. Tyshnova (Metals Phys. Lab., Siberian Phys. Tech. Inst., Tomsk). *J. Tech. Phys.* (U.S.S.R.) 16, 1395-1400(1946)(in Russian).—The stress resulting from irreversible compression of Cu to a given degree does depend on a previous deformation but it is immaterial whether the latter was brought about statically (in a press) or dynamically (under falling load, 1–4 m./sec.). The same applies to hardness.
N. Thon

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



M

3

"The Elastic Limit as Established by X-Ray Analysis. B. M. Rovinsky and N. Ye. Tyzhnova (*Zhur. Tekhn. Fiziki*, 1950, **20**, (6), 676–682; *Physics Abs.*, 1951, **54**, 356).—[In Russian]. Investigation of specimens of C steels 45 and 15 in simple tensile stressing verified that the surface layer of the metal in the elastic zone does not yield prematurely; the elastic limit of the surface layer is exactly the same as that of the specimen as a whole. Nor was premature yielding detected on a specimen with a rough surface, the irregularities of which were of the order of magnitude of the penetration depth of the X-rays. When the elastic limit is exceeded by the specimens, this affects the surface layer likewise and is marked by a reduction of the elastic deformation. It was found that the ratio of the lattice deformation to the normal component of the elastic deformation of the specimen, $\varepsilon_R/\varepsilon_p$, or the ratio of the X-ray stresses to the stresses applied to the specimen, σ_R/σ_p, is determined by the material of the specimen and the micro-relief of its surface.

Zhur. Tekh. Fiz.

TYZHNOVA, N. V.

N. V. Tyzhnova. The mechanism of the breakdown of steel by fatigue. I. 187

Inst. of Mach. Sci. Moscow, Acad. of Sci., USSR; May 10, 1950

SO: Journal of Technical Physics, 21, No. 2 (Feb. 1951)

3240. DISINFECTION OF WATER CONTAMINATED WITH POLIOMYELITIS VIRUS (Russian text) - Tyzhov N. V. and Shtannikov E. V. - GIG. I SAN. 1959, 3 (19-23)

Chlorination for at least 30 min. with a residual chlorine content of 0.05-2.1 mg./l. is effective. Chlorine-containing compounds such a halazone ('pantocide') inactivate the virus after 30 min. at a residual chlorine content of 1.5-2.1 mg./l.

Horn - Halle (L.17,4)

TZAK, B.

Yugoslavia, (430)

Technology

The characterization of precipitation maxima with special respect to the coagulation phenomena. p. 19, Arhiv Za Kemiju, Vol. 19, no. 1-4, 1947.

East European Accessions List, Library of Congress, Vol. 1, no. 14, Dec. 1952.

TZANE, G.
SURNAME, Given Names

(4)

Country: Rumania

Academic Degrees: not given; presumably M.D.

Affiliation: 2nd Surgical Clinic, Medical Faculty Bucharest /original not given/

Source: Prague, Ceskoslovenska Gastroenterologie, Vol XV, No 5, Aug 61, pp 321-325

Data: "Postoperative testing of common bile duct patency by chromocholoscopy."

TZUPAI, I., Director of Clinic
PAPPO, A.
CALALL, A.
TZANE, G.

GPO 981643

TSURAL, I.; PAPPO, A.; CALALL, A.; TZANE, G.

Postoperative functional examination of the bile ducts with the aid of chromocholoscopy. Cesk. gastroent. vyz. 15 no.5:321-325 Ag '61.

1. II. chirurgicka klinika lekarske fakulty, Bucurest, reditel prof. I. Tzurai.
(BILE DUCTS physiol) (BILIARY TRACT surg)

TZANKOV, V. [Tsankov, V.]; TSANKOV, Ts. [Tsankov, Ts.]

Stratigraphic level of the Bostrychoceras polyplocum (Roemer) species in northern Bulgaria. Doklady BAN 15 no.1:111-114 '62 '63[publ '62].

TZANKOV, V. [Tsankov, V.]; TZANKOV, Tz. [Tsankov, Ts.]

Stratigraphic level of the Bostrychoceras polyplocum (Roemer) species in northern Bulgaria. Godishnik biol 57 n.1:311-324 '62 '63[publ '64].

30195
S/080/61/034/011/006/020
D227/D301

21S240

AUTHORS: Lantratov, M.F., and Tzarenko, Ye.V.

TITLE: Thermodynamic properties of Na-Ga and K-Ga solutions

PERIODICAL: Zhurnal prikladnoy khimii, v. 34,no. 11,1961, 2435 - 2441

TEXT: Following their studies of the above systems, the authors devote the present work to determining thermodynamic properties of these systems from the values of emf's (E) and emf temperature coefficients (dE/dT) of chains:

$$M_1 \left| \begin{array}{c} \text{solid ionic conductor} \\ \text{containing} \\ Na^+ \text{ or } K^+ \text{ ions} \end{array} \right| M_1(N_1) + M_2(N_2),$$

where M_1 - more electronegative metal (Na or K), M_2 - second component of the solution (Ga), N_1 and N_2 - atomic fractions of the components. If the state of a pure component is taken as a standard,

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Thermodynamic properties of Na-Ga ...

then the values of molar isobar-isothermic potential ($\Delta \overline{Z}_1$) and excess potential ($\Delta \overline{Z}_1^*$) also activity (α_1) and activity coefficient ($\gamma_1 = \frac{\alpha_1}{N_1}$) may be calculated from the equations:

$$\Delta \overline{Z}_1 = -23060E = 4.575T \lg \alpha_1 \text{ cal/g.atom}$$

$$\Delta \overline{Z}^* = \Delta \overline{Z}_1 - 4.575T \lg N_1 = 4.75T \lg \gamma_1 \text{ cal/g.atom.}$$

Partial molar entropy of mixing ($\Delta \overline{S}_1$) and excess entropy of mixing ($\Delta \overline{S}_1^*$) are calculated from the equations:

$$\Delta \overline{S}_1 = 23060 \frac{dE}{dT} \text{ cal/deg.g.atom}$$

$$\Delta \overline{S}_1^* = \Delta \overline{S}_1 + 4.575 \lg N_1 \text{ cal/deg.g.atom.}$$

Partial heat of mixing equals:

$$\Delta \overline{H} = \Delta \overline{Z}_1 + T\Delta \overline{S}_1 = 23060 \left(T \frac{dE}{dT} - E\right) \text{ cal/g.atom.}$$

Card 2/5

Thermodynamic properties of Na-Ga ...

Integral values are obtained by graphical integration using equation:

$$\Delta \overline{G} = (1 - N_1) \int_0^{N_1} \frac{\Delta \overline{G}_1}{(1 - N_1)^2} dN_1$$

where $\Delta \overline{G}$ - any principal function of state. Principal values of thermodynamic magnitudes for the second component were calculated from the integral values from equation: $\Delta G = N_1 \cdot \Delta \overline{G}_1 + N_2 \cdot \Delta \overline{G}_2$ where ΔG - integral, $\Delta \overline{G}_1$ and $\Delta \overline{G}_2$ - partial functions of state of the system. The experimental part involved the use of aparatus described in earlier works. Tests were carried out in argon atmosphere using glasses containing Na_2O or K_2O as electrolyte. Metals used were of high purity. Measurements of the emf where done potentiometrically with accuracy of + 0.2 - 0.002 mV and that of temperature with chromel-aluminum thermocouple with accuracy of ± 1°C. For Na - Ga systems the investigations were carried out at 550-625°C and compositions N_{Na} = 0.108 to 0.7964, and it was observed that emf,

Card 3/5

Thermodynamic properties of Na-Ga ...

within that temperature range, was proportional to the temperature. Temperature coefficients of emf of sodium-rich alloys had positive values and sodium-poor alloys had negative values. The activity isotherm for sodium at 550°C and concentration $N_{Na} > 0.25$ shows more positive deviation and slight negative deviation for $N_{Na} < 0.25$ The activity isotherm for gallium on the other hand shows a negative deviation for $N_{Na} < 0.73$ and slight positive deviation for sodium-rich solutions. Such behavior of both activity isotherms indicates the existence, in the liquid alloys, of groups of assymmetric structure, Na_5Ga_8 and $NaGa_3$. The non-symmetry of partial potential curves $\Delta\bar{Z}_{Na}$ and $\Delta\bar{Z}_{Ga}$ is also due to the assymmetry of Na-Ga compounds. The integral and partial heats of mixing and also curves for ΔZ^* and $T\Delta S$ are given. The curve for the integral heat has a minimum at $N_{Na} = 0.37$, i.e. within the region of Na_5Ga_8 composition and the maximum ΔH corresponds to - 1760 cals/g.atom. From the graph it follows that ΔH is determined by ΔZ changes

Card 4/5

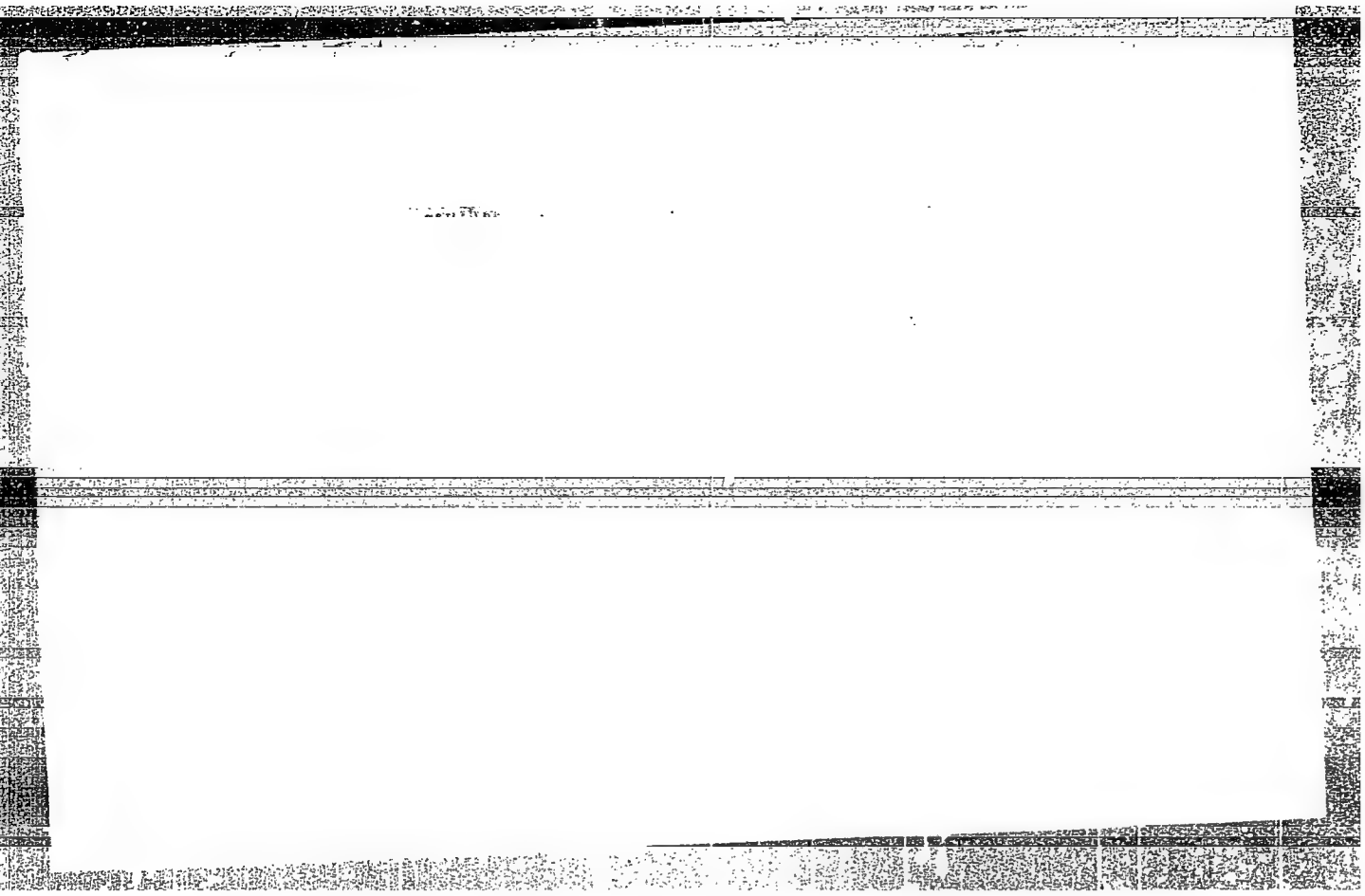
Thermodynamic properties of Na-Ga ...

and $T\Delta S$ has only a small effect on its values. Partial molar entropy of mixing for sodium $\Delta\bar{S}_{Na}$ depends on the composition and has positive or negative values according to the sodium contnet. In investigations of K - Ga systems the authors determined the activity of potassium at 625°C for alloys N_K = 0.9 to 0.1, and found that the behavior of such systems is analogous to Na-Ga systems. There are 5 figures, 2 tables and 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: M. Hansen, K. Anderko, Constitution of binary alloys N.Y., Toronto, London, 1958.

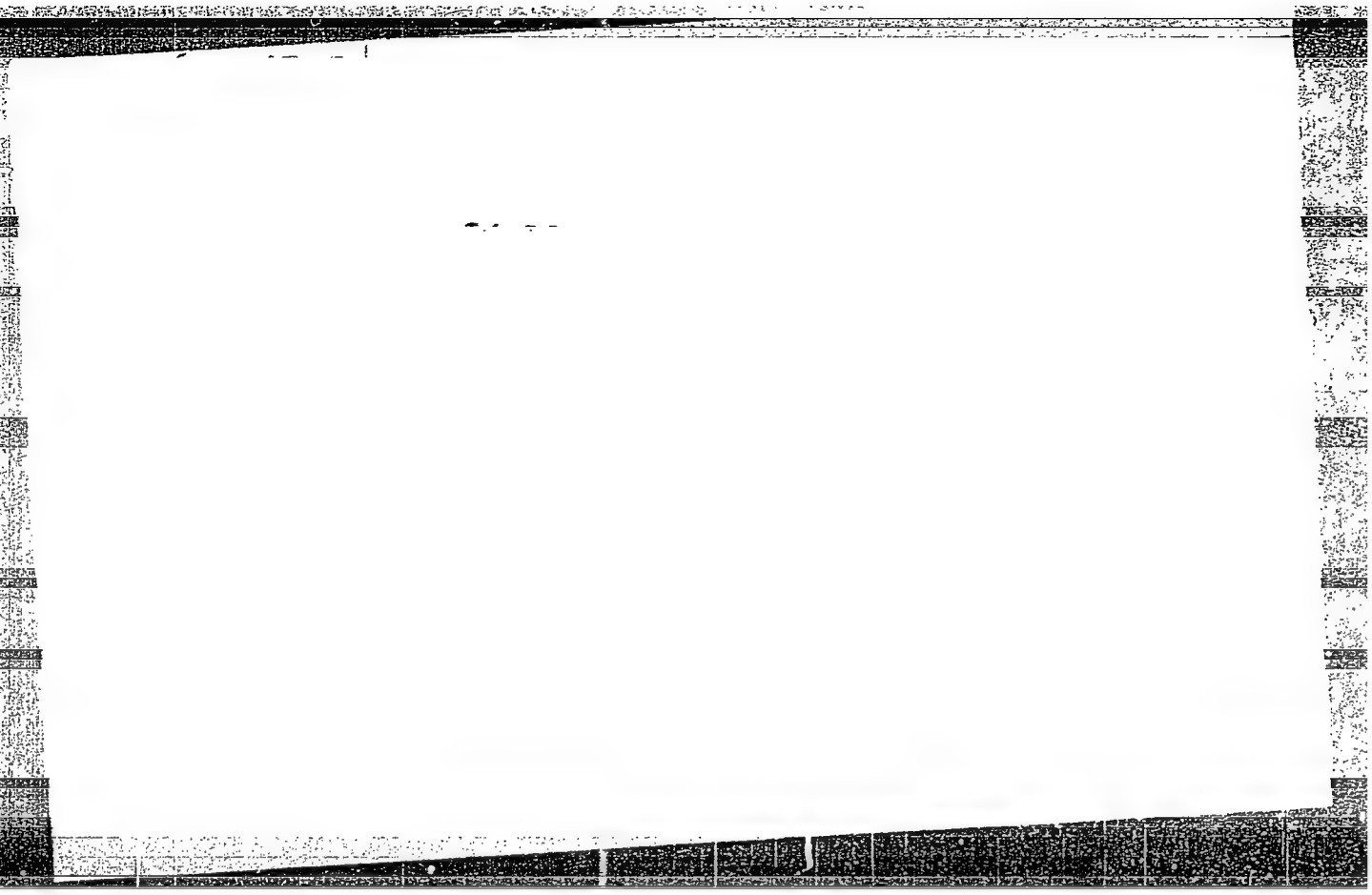
ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im. V.I. Ul'yanova (Lenina) (Leningrad Electrotechnical Institute im. V.I. Ul'yanov (Lenin))

SUBMITTED: January 23, 1961

Card 5/5



APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810011-9"



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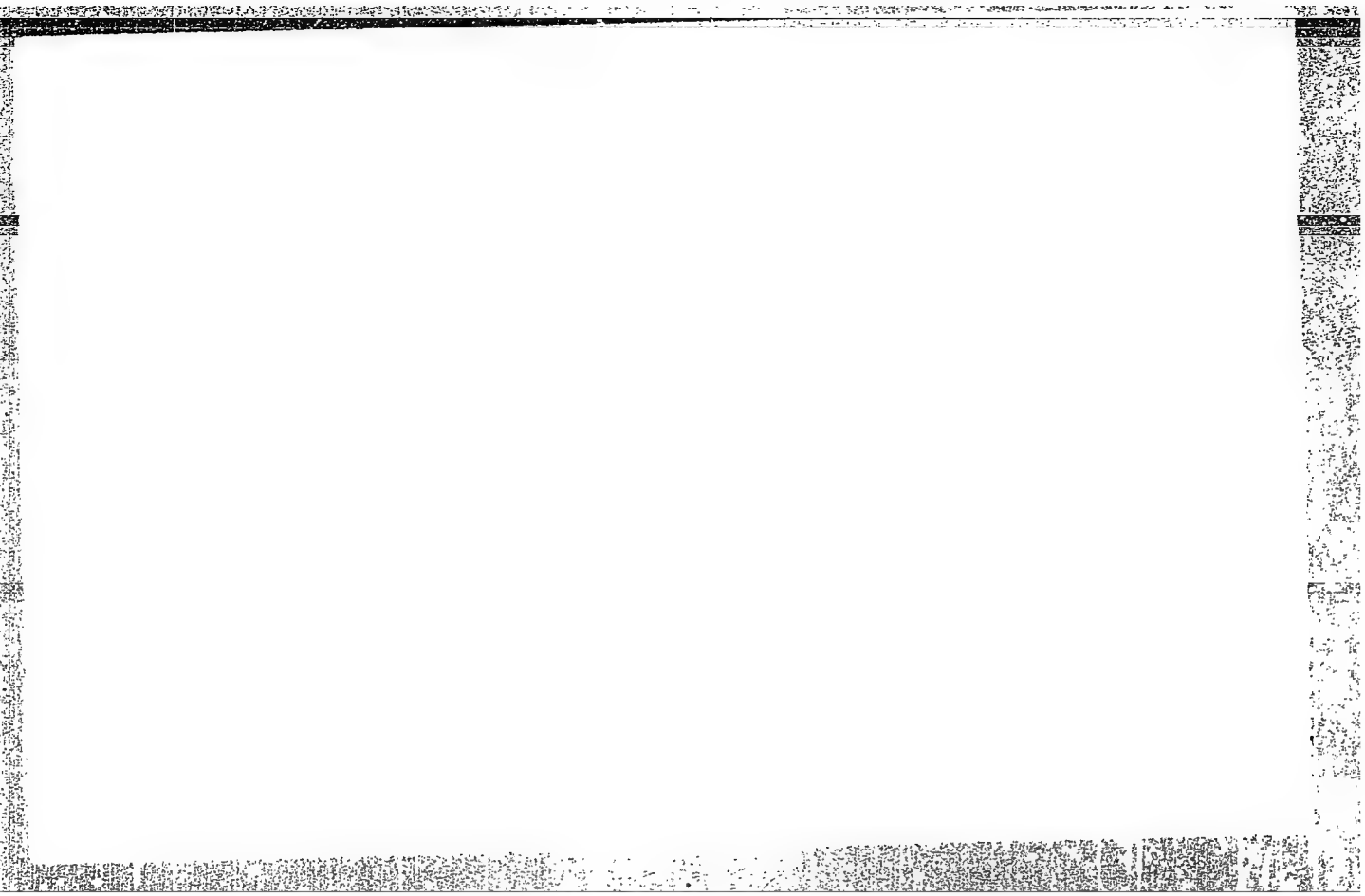

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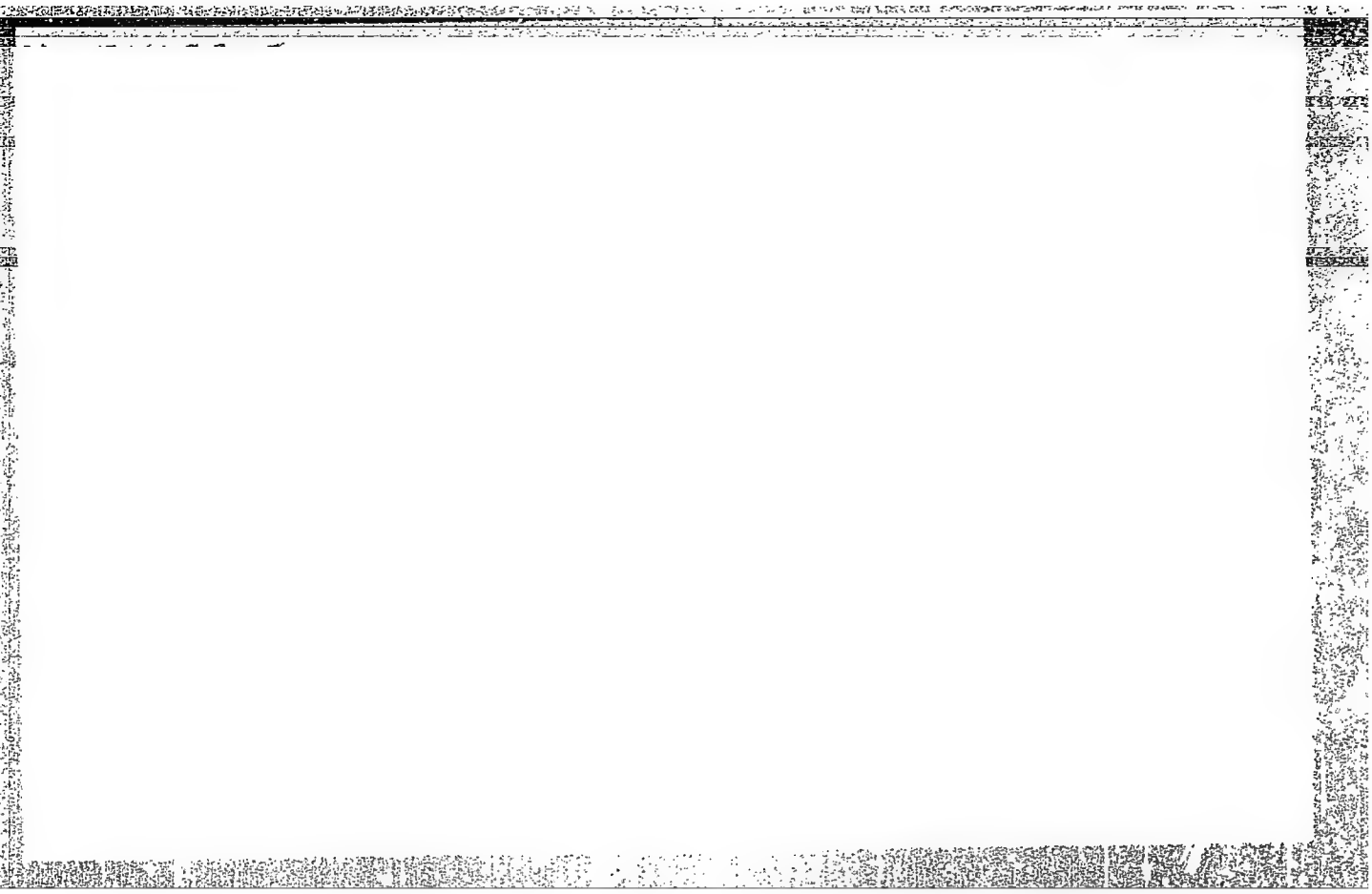


APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810011-9"

TZENOFF, I.

(2)

Mathematical Reviews
Vol. 15 No. 1
Jan. 1954
Mechanics

Tzénoff, Iv. Détermination des forces intérieures dans un corps solide en équilibre dont les déformations sont négligeables. Annuaire [Godišnik] Fac. Sci. Phys. Math., Univ. Sofia, Livre 1, Partie I. 47, 75–91 (1951). (Bulgarian. French summary)

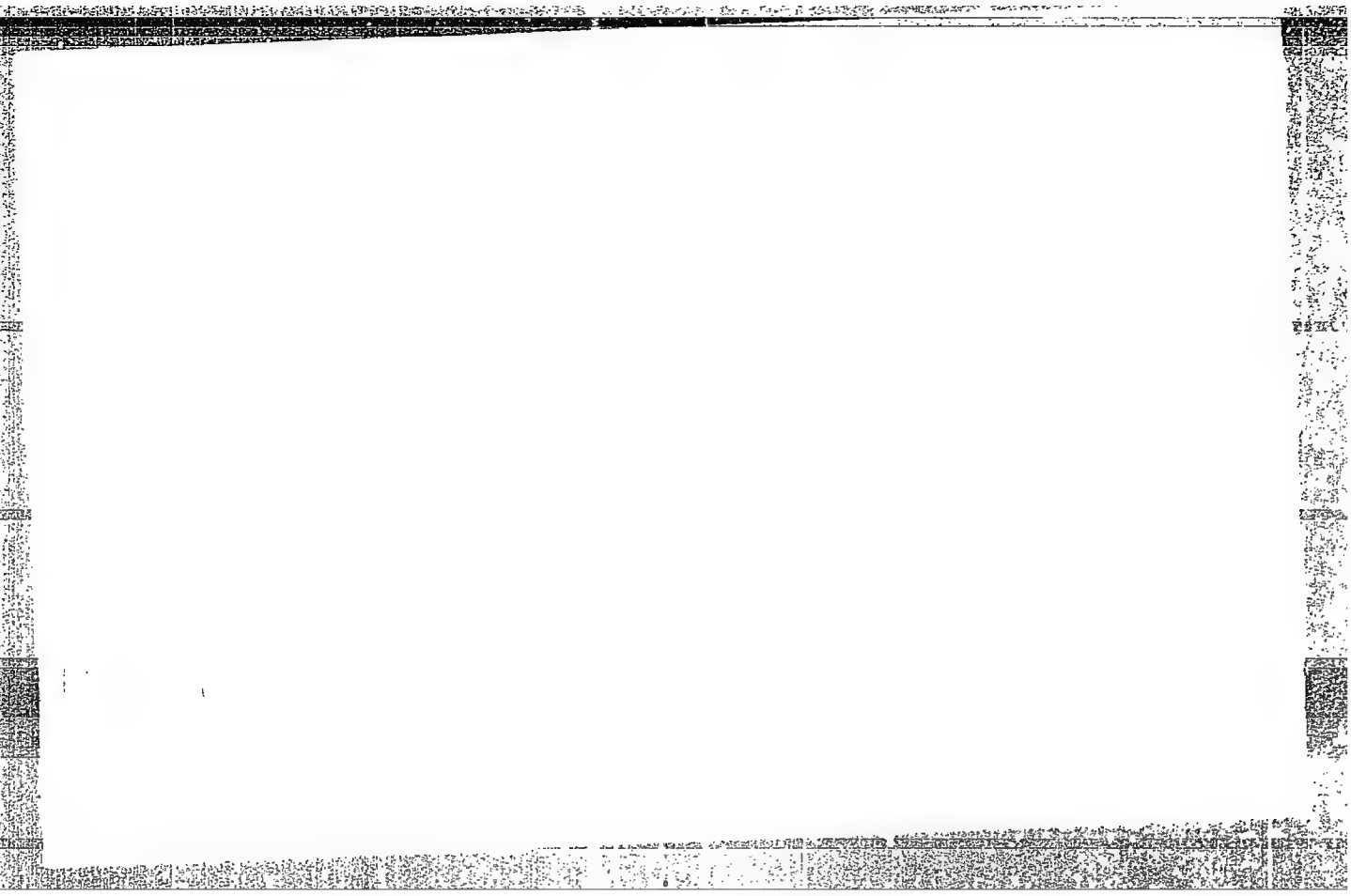
The general remarks in this paper pertain to elementary matters concerning the equations for the forces exerted by one part of a rigid body on another. Among the examples there is one treating a circular, homogeneous helix under the action of its own weight and certain forces at its terminal cross section. The equations for the forced in the internal cross section are written in terms of their derivatives with respect to the length of arc of the helix, and completely integrated for certain external loads. *A. W. Wundheiler.*

TZENOFF, I.

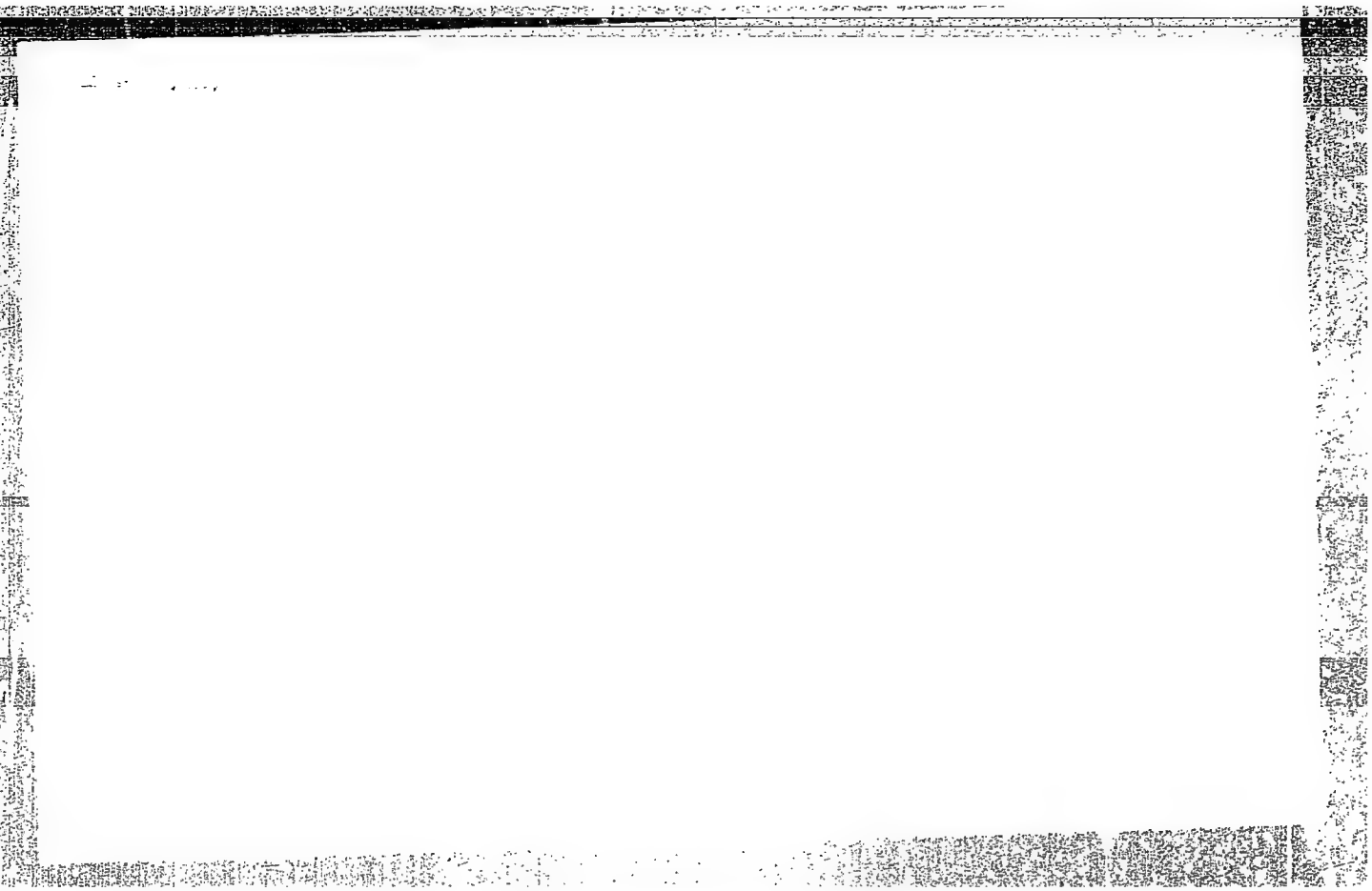
Mathematical Reviews
Vol. 14 No. 11
December, 1953
Mechanics.

Tzénoff, Iv. Sur les théorèmes généraux du mouvement d'un corps solide par rapport à un système de coordonnées mobiles. Annuaire [Godišnik] Fac. Sci. Phys. Math., Univ. Sofia, Livre 1, Partie II. 47, 33–58 (1952). (Bulgarian. French summary)

After rederiving the equations of relative motion for a rigid body (in vector notation), the author applies them to the problem of the motion of a sphere on (A) a smooth or (B) a perfectly rough horizontal plane, with the apparent gravity assumed (a) constant or (b) composed of the earth's attraction and the centrifugal force. Four problems arise; they are related to those treated in articles 43–46 of vol. 2 of the much unquoted "Dynamics of a system of rigid bodies" [6th ed., Macmillan, London, 1930] by Routh. In the case (A) the equations are linear with constant coefficients, and the motion of the center is separated from that about the center. In the case (B) there is no separation, but the elimination of the reaction furnishes linear equations with constant coefficients for the center coordinates, and a closed solution can be obtained. *A. W. Wundheiler.*



APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810011-9"



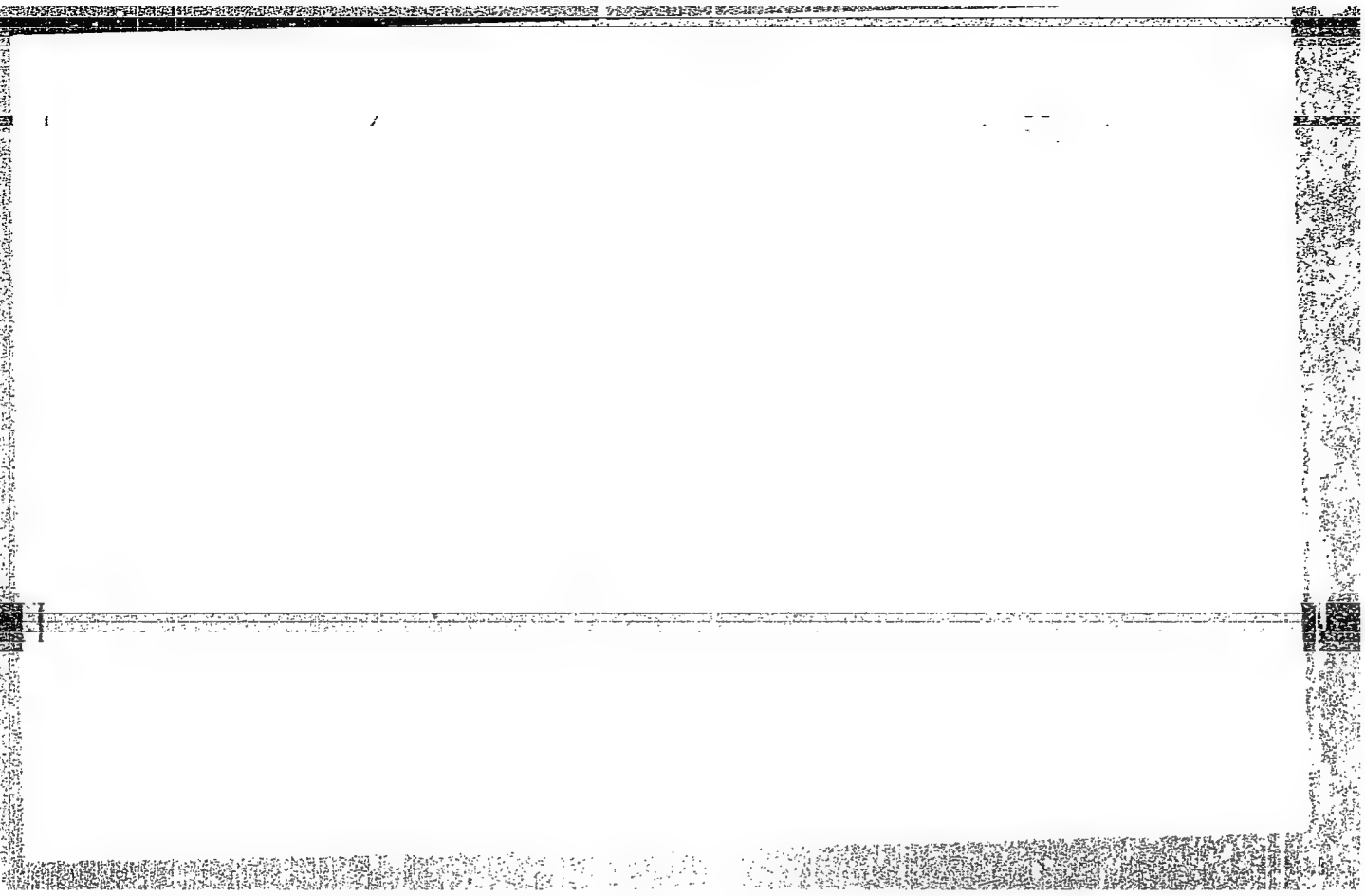
APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810011-9"

TZENOFF, I. [Tsenov, I.]

The Lagrange principle. Doklady BAN 16 no. 4: 345-348 '63.

TZENOFF, I. [Tsenov, I.]

The Hamilton-Ostrogradskii principle. Doklady BAN 16 no.3:225-228 '63.



APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810011-9"

L 34517-66 EWT(1) IJP(c)
ACC NR: AP6024739 SOURCE CODE: BU/0011/65/018/010/0899/0902

27
B
21

AUTHOR: Tzenov, I.

ORG: none

TITLE: Use of the d'Alambert-Lagrange principle for the derivation of the equations of motion of holonomic and nonholonomic material systems

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 10, 1965, 899-902

TOPIC TAGS: motion equation, Lagrange equation, dynamic system

ABSTRACT: The author found previously (see, e.g., Godishnik na Sof. un-t, MF, 57, 1964, 229) that by introducing the function $K = 1/2(T - 3T_0) - Q_i q_i^*$ (T - kinetic energy, T_0 - same as T when the generalized velocities are considered constant, Q_i - generalized forces) the equation of motion of a holonomic system with generalized coordinates $[q_i] = q_1, q_2, \ldots, q_s$ may be established by looking for the maximum or minimum of the function K viewed as a function of the generalized accelerations only. This led to the equation

$$\frac{\partial K}{\partial \ddot{q}_i}\delta q_i = 0; \quad i = 1, 2, \ldots, s. \qquad (1)$$

Card 1/2

0915 2568

L 34517-66

ACC NR: AP6024739

which represents, likewise, the general dynamical equation expressing the d'Alembert-Lagrange principle. Consequently, 1) such an equation is applicable to holonomic systems as well as simple particles; and 2) it can be applied also to nonholonomic systems with first order linear constraints. In the case of nonlinear nonholonomic constraints of first and second orders it must be first linearized, and the author develops correct expressions for the motion of systems which can be then specialized to the Chetayev, Johnson, and Valcovici cases. Orig. art. has: 7 formulas. [Orig. art. in French,] [JPRS: 34,780]

SUB CODE: 12, 20 / SUBM DATE: 03Jul65 / ORIG REF: 003 / SOV REF: 001

Card 2/2

L 34484-66 IJP(c)

ACC NR: AP6026285 SOURCE CODE: BU/0011/65/018/006/0501/0504

AUTHOR: Tzenov, I. (Sofia)

ORG: none

TITLE: Equations of analytical dynamics with forces which are also functions of generalized velocities

SOURCE: BAN. Doklady, v. 18, no. 6, 1965, 501-504

TOPIC TAGS: motion equation, kinetic energy, function analysis

ABSTRACT: Earlier, the author derived equations of motion for holonomic systems of the type

$$\frac{1}{2}\left(\frac{\partial \ddot{T}}{\partial \ddot{q}_l}-3\frac{\partial T}{\partial q_l}\right)=Q_l,\ (l=1,2,\ldots,s), \qquad (1)$$

where $\ddot{T}$ is the second derivative with respect to time of the kinetic energy of a system which is a function of time, of the generalized coordinates q_i, and the generalized velocities q_i; Q_i's are the generalized forces (I. Tsenov, DAN SSSR, 89, 1963, No 1, 21). This paper investigates expressions for holonomic or nonholonomic systems for the case of forces which are derivable for a generalized (velocity dependent) potential W. The resulting equations, when extended to multiparticle systems, are identical with those found earlier by A. Mayer (Math. Ann., XIII, p. 20) by means of Hamilton's principle. Here, they are obtained by looking for the extremum of the function

$$K=\frac{1}{2}(\ddot{T}-3\ddot{T}_0)+\frac{1}{2}(\dot{W}-3\dot{W}_0); \qquad (6)$$

(index zero denotes fixed velocity expressions). Orig. art. has: 13 formulas. [JPRS]

SUB CODE: 12 / SUBM DATE: 08Mar65 / ORIG REF: 001 / SOV REF: 001 / OTH REF: 001

Card 1/1 0916 1839

L 18088-66 EWT(1) LJP(c)
ACC NR: AP6010167

SOURCE CODE: BU/0011/65/018/008/0711/0714

AUTHOR: Tzenov, I. (Sofia)

ORG: none

TITLE: Equations of motion of a physical system subjected to nonholonomic linear and nonlinear constraints with respect to the generalized velocities and accelerations

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 8, 1965, 711-714

TOPIC TAGS: motion equation, function analysis

ABSTRACT: Let the function: $K = \frac{1}{2}(\ddot{T}-3\ddot{T}_0)\sim Q_i\ddot{q}_i$, $i = 1, 2, \ldots, s$ (1)

characterize a holonomic system ($\ddot{T}$ is the second total derivative with respect to time of the kinetic energy T which is a function of the generalized coordinates $[q_i]$, generalized velocities $[\dot{q}_i]$, and time; T_0 - kinetic energy T but viewed as a function of $[q_i]$ and time only, all the $[\dot{q}_i]$'s being fixed; $[Q_i]$ - generalized forces). The author showed in his earlier papers (DAN SSSR, 89, 1953, No 1, 21; Godishnik Sof. u-t, Ser. mat., 57, 1964, 229) that the equations of motion of the above mentioned holonomic system can be found by searching for the maximum or minimum of the function K viewed as function of the generalized accelerations $[\ddot{q}_i]$. The present article discusses within the same theoretical framework the case of 1) systems subjected to linear nonholonomic constraints; 2) systems subjected to nonlinear nonholonomic constraints; and 3) systems with linear and nonlinear holonomic

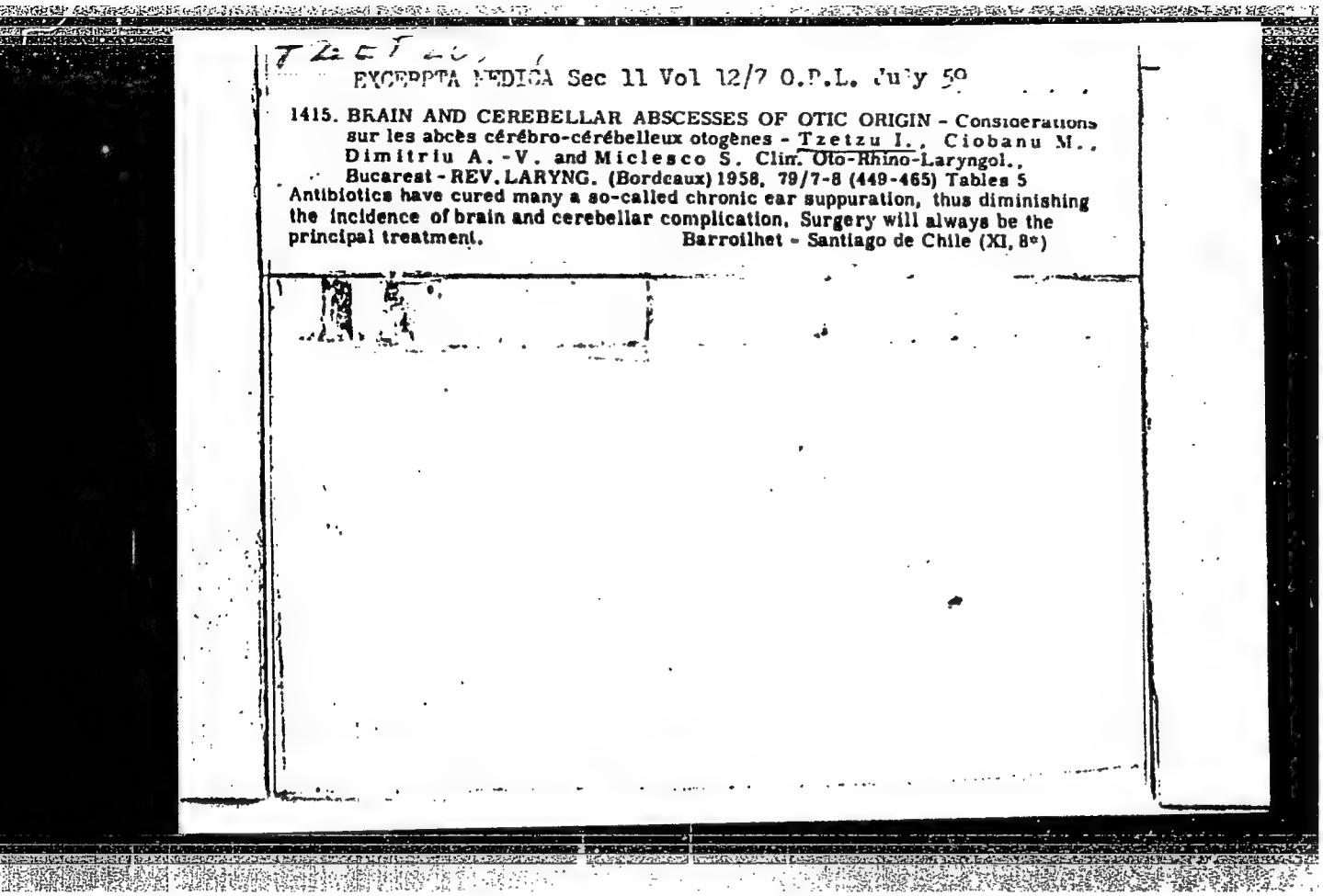
Card 1/2

L 18088-66
ACC NR: AP6010167

constants, and establishes the appropriate equations of motion. Orig. art. has: 17 formulas. [JPRS]

SUB CODE: 20, 12 / SUBM DATE: 19Apr65 / ORIG REF: 001 / SOV REF: 001

Card 2/2 TS



TZETZU I.

EXCERPTA MEDICA Sec 11 Vol 12/7 O.P.L. July 59

1415. BRAIN AND CEREBELLAR ABSCESSES OF OTIC ORIGIN - Considerations sur les abcès cérébro-cérébelleux otogènes - Tzetzu I., Ciobanu M., Dimitriu A.-V. and Miclesco S. Clin. Oto-Rhino-Laryngol., Bucarest - REV. LARYNG. (Bordeaux) 1958, 79/7-8 (449-465) Tables 5

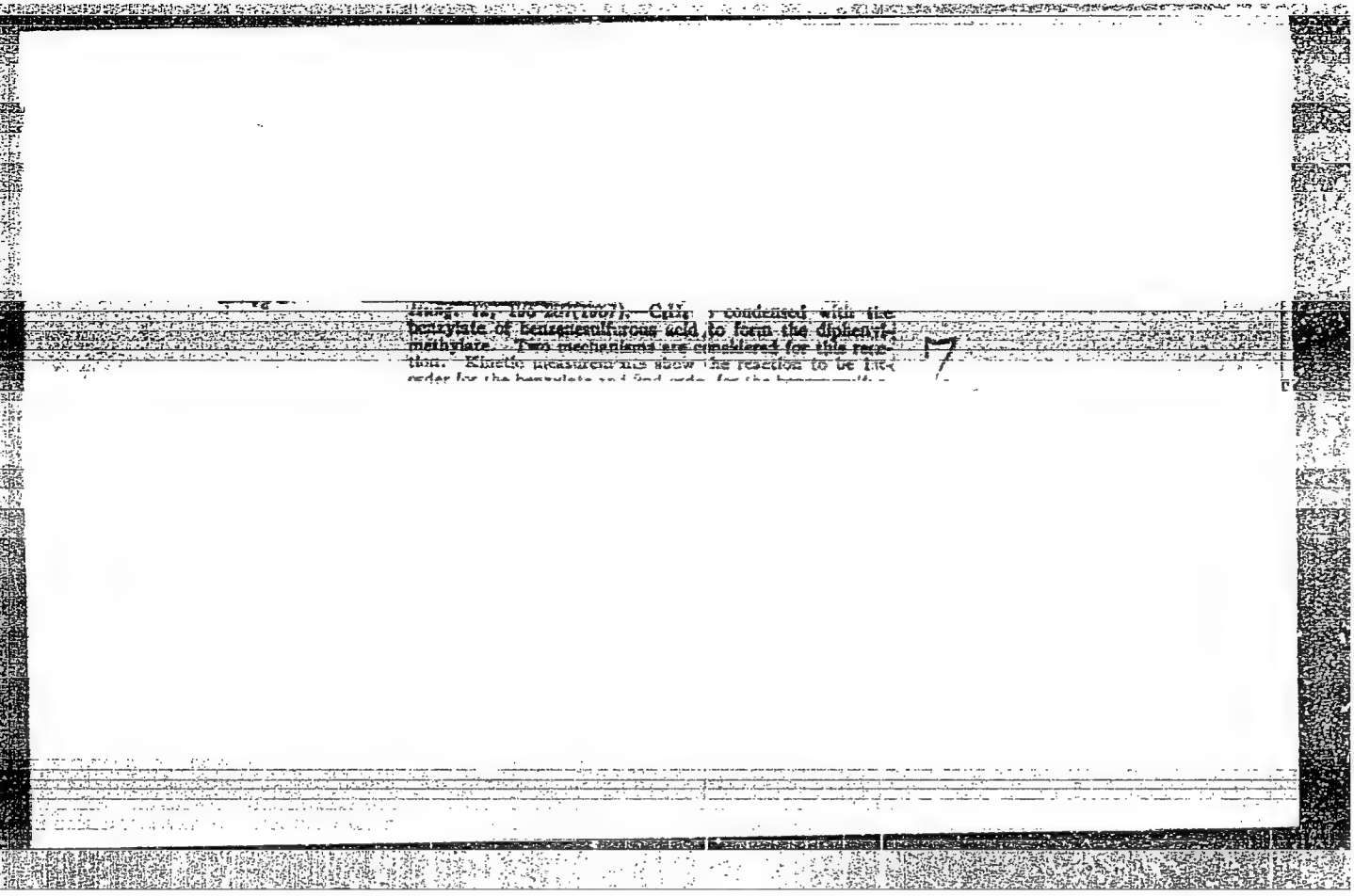
Antibiotics have cured many a so-called chronic ear suppuration, thus diminishing the incidence of brain and cerebellar complication. Surgery will always be the principal treatment. Barroilhet - Santiago de Chile (XI, 8*)

TZIKULIN, M.A.

Approximated evaluation of the parameters of the "Tungussk Meteorite" in 1908, based on the scene of destruction of the wooded-massive.

40

"METEORITKA" (Meteorites-Studies) Issue no. 20 - 1961, sponsored by the "Committee on Meteorites" of the Soviet Academy of Sciences - Moscow - 1961, 208 pages, and containing Collected Works("Trudy") of the "9th Meteorite Conference Organized by the Committee on Meteorites of the Soviet Academy of Sciences" and Held in KIEV on 2-4 June 1960.



COUNTRY : Mat
CATEGORY : Inorganic Chemistry. Complex Compounds

ABS. JOUR. : RZKhim., No. 1 1960, No. 685

AUTHOR : Issleib, K.; Tzschach, A.; Fröhlich, H. O.
INST. : -
TITLE : Contribution to the Chemistry of Ternary Phosphine and Phosphine Oxide Complexes. III. Complexes of the Oxides of Phosphines with Bi-*

ORIG. PUB. : Z. anorgan. und allgem. Chem., 1959, 298, No 3-4, 164-175

ABSTRACT : Through the reaction of the oxides of ternary aliphatic and hydroaromatic phosphines with $K_3[Cr(SCN)_6]$ (I) in iso-C_3H_7OH at the boiling temperature, green-colored complexes of $[Cr(SCN)_3(R_3PO)_3]$ (II), where R = C_2H_5, C_4H_9 and C_6H_{11}, were prepared. The oxide $(C_6H_5)_3PO$ and sulfides of ternary phosphines do not react with I under analogous conditions. By reaction

*and Trivalent Chromium

CARD: 1/3

COUNTRY	:	
CATEGORY	:	C
ABS. JOUR.	:	RZKhim., No. 1 1960, No. 685
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT cont'd	:	R = C_2H_5 and for II. III with R = C_6H_{11} and C_6H_5 are also probably not electrolytes. The dipole moment of III with R = C_2H_5 in C_6H_6 is equal to 4.9 D, which excludes the planar trans-disposition of substitutes around the central atom. Report II, see RZhKhim., No 13, 1959, No 63938.-- Yu. Muromskiy
CAPD:		3/3

Cytology

BULGARIA

TZONEV, I., Pediatric Institute

"Granular Sections of the Plasmatic Membrane of Adrenocortical Cells"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 3, 1966, pp 257-259

Abstract: [French article] The plasmatic membranes of the adrenocortical cells were often studied by electron-microscopical methods. The author describes in this note some new, previously unpublished details concerning the ultrastructure of plasmatic membranes of one part of cortical cells. The description of observations of granular sectors is followed by a brief discussion of the results. The electronic micrographs were carried out at the Institute of Histology of the Charles University in Prague, Czechoslovakia. There are 5 Western references. (Manuscript received, 21 Dec 65.)

TZSCHASCHEL, R.

TECHNOLOGY

periodicals: JENNA MECHANIKA A OPTIKA Vol. 3, no. 10, Oct. 1958

TZSCHASCHEL, R. Exacta Warex camera in the hands of an experimental physicist. Tr. from the German. p. 311.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

S/058/62/000/003/022/092
A061/A101

24.6610

AUTHOR: Tzu, H. Y.

TITLE: The integral equation for the low-energy π - N scattering

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1962, 39, abstract 3A359 ("Scientia sinica", 1961, v. 10, no. 1, 44 - 62, English)

TEXT: A system of related integral equations is obtained for the π - N scattering amplitudes in the S and P-states. Dispersion relations are used for the forward and back-scattering, and the condition of unitarity is applied. The contribution of the cut in the non-physical region is calculated without using the analytic continuation of the Legendre polynomial expansion (not converging in the non-physical region). The integral equations include the amplitude of two-meson N - N annihilation; the latter, in particular, represents the influence of the π - π interaction effect.

[Abstracter's note: Complete translation]

Card 1/1

TZURAI, S.

SURNAME, Given Names

(4)

Country: Rumania

Academic Degrees: not given; presumably M.D.

Affiliation: 2nd Surgical Clinic, Medical Faculty Bucharest /original not given/

Source: Prague, Ceskoslovenska Gastroenterologie, Vol XV, No 5, Aug 61, pp 321-325

Data: "Postoperative testing of common bile duct patency by chromocholoscopy."

TZUPAI, I., Director of Clinic
PAPPO, A.
CALALL, A.
TZAIE, G.

GPO 981643

L 00160-66 EWP(j) RM BU/0011/65/018/002/0141/0144

ACCESSION NR: AP5025553

AUTHOR: Stoianova-Ivanova, B.; Nikolova, D.; Tzvetkova, V.

TITLE: Unsaturated hydrocarbon content in wax from concentrated attar of Bulgarian rose petals

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 2, 1965, 141-144

TOPIC TAGS: hydrocarbon, wax, botany

ABSTRACT: D. Ivanoff et al. (Compt. rend. Acad. bulg. Sci., 8, 1955, No 2, 33) studied earlier the hydrocarbon composition of the wax from concentrated attar of Bulgarian roses. In the present investigation, using the same raw material, the authors established the amount and the structure of various unsaturated hydrocarbons found in wax from concentrated attar of Bulgarian roses. The results are presented in the form of tables. Since the hydrogenation of unsaturated hydrocarbons can lead to saturated ones, the authors suspect that this could, perhaps, be the path followed by vegetable cells during their production of saturated hydrocarbons with even or odd number of carbon atoms. Orig. art. has: 2 tables.

Card 1/2

L 00160-66
ACCESSION NR: AP5025553

ASSOCIATION: Chaire de chimie organique de l'Universite de Sofia (Department of Organic Chemistry, Sofia University)

SUBMITTED: 00 ENCL: 00 SUB CODE: OC, LS

NR REF SOV: 000 OTHER: 009 JPRS

Card 2/2

PIGIN, V.M.; TERMINASOV, Yu.S.; TYZOV, L.V.

Intensity of double intergranular reglections of X rays with very small scattering angles. Kristallografiia 10 no.3:311-316 My-Je '65. (MIRA 18:7)

1. Petrozavodskiy gosudarstvennyy universitet.

A, A. K.

Q

BULGARIA/Farm Animals - Honeybee

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69432

Author : Uafa, A.K.
Inst :
Title : Bee Colonies with Two Queens

Orig Pub : Priroda (B"lg.), 1957, 6, No 1, 63-65

Abstract : At the Agronomical Faculty in Giza (Egypt), an experiment was successfully carried out with regard to maintenance of bee families with two queens.

Card 1/1

UANKINA, A.A.

Quantitative solution of the problem of potential distribution in a plane magnetron. Izv. vys. ucheb. zav.; radiofiz. 2 no.2: 254-261 '59 (MIRA 13:3)

1. Gor'kovskiy pedagogicheskiy institut.
(Magnetrons)

ACC NR: AP7005618 (A, N) SOURCE CODE: UR/0413/67/000/002/0059/0059

INVENTOR: Uan-Zo-Li, B. L.; Moin, V. S.

ORG: None

TITLE: A transistorized single-phase inverter. Class 21, No. 190467

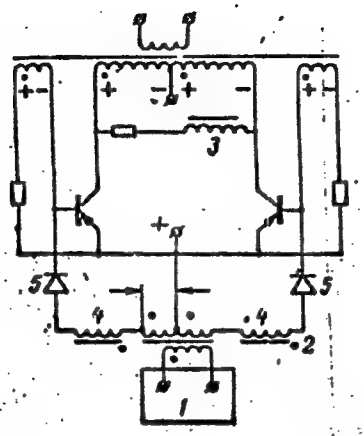
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 59

TOPIC TAGS: transistorized circuit, electric inverter, nonrotary electric power converter

ABSTRACT: This Author's Certificate introduces: 1. A transistorized single-phase inverter containing a master oscillator with a frequency which is an integral multiple of that of the output stage. This oscillator incorporates an output transformer and frequency divider. The unit is simplified by making the frequency divider in the form of a saturable transformer with primary connected in parallel with the output transformer. The secondaries are connected to half-wave synchronization circuits in series with the windings of the master oscillator and diodes. 2. A modification of this inverter designed for producing an even frequency-division coefficient in the half-wave synchronization circuits. A winding of the master oscillator is connected between the common tiepoints for the secondaries of the saturable transformer and the emitters of the transistors in the output stage.

Card 1/2 UDC: 621.314.572:621.382.3

ACC NR: AP7005618



1--master oscillator; 2--saturable transformer; 3--primary winding; 4--secondary windings; 5--diodes

SUB CODE: 09/ SUBM DATE: 02Jun65

Card 2/2

UAROVA, S.P., Cand Tech Sci -- (diss) " Aggregate stability of the sols of certain pigments adaptable for dyeing viscose in mass. " Mos 1958, 12 pp. (Min of Higher Education USSR. Mos Order of Lenin Chem Tech Inst im D.I. Mendeleyev) 100 copies (KL, 21-58, 91)

UAROVA, V.N., kandidat biologicheskikh nauk.

Bacteria that decompose tricalcium phosphate. Dokl.Akad.sel'khoz.21 no.6: 22-26 '56. (MLRA 9:9)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy mikrobiologii, Moskovskoye otdeleniye. Predstavlena akademikom S.N.Muromtsevym.
(Bacteria, Phospherus) (Phosphates)

DREMIN, I.M.; ROYZEN, I.I.; UAYT, R.B.; CHERNAVSKIY, D.S.

The Bethe-Salpeter equation and the significance of "central" interactions. Zhur. eksp. i teor. fiz. 48 no.3:952-964 Mr '65. (MIRA 18:6)

1. Fizicheskiy institut imeni Lebedeva AN SSSR.

UBA, T.

The camp in Faget. p. 1. VIATA MILITAR. (Ministerul Fortelor Armate. Diredtia Superioara Political) Bucuresti.
Vol. 10, no. 6, June 1956.

SOURCE: East European Acessions List, (EEAL), Library of Congress, Vol. 5, No. 11, November, 1956.

UBAKEYEV, S.U.; ALYMKULOV, Zh.A., otv. red.; LOBANTSEV, A., tekhn. red.

[Determination of the stability of the sides of pits dug in solid rock as exemplified by the Buurdu Mine]Opredelenie ustoichivosti bortov skal'nykh kar'erov; na primere Buurdinskogo rudnika. Frunze, Akad. nauk Kirgizskoi SSR, 1960. 62 p. (MIRA 15:9)

(Buurdu region (Kirghizistan))—Strip mining)
(Rocks—Testing)

MUMINOV, I.M., akademik, otv. red.; DZHAMALOV, O.B., zam. otv. red.; KABULOV, V.K., zam. otv. red.; ABDUGANIYEV, A.A., red.; IBRAGIMOV, I.I., red.; UBAYDULLAYEV, I.Kh., red.; KISELEVA, V.N., red.

[Application of mathematical methods and electronic computers in economic research; conference materials] Primenenie matematicheskikh metodov i EVM v ekonomicheskikh issledovaniiakh; materialy konferentsii. Tashkent, Izd-vo "Nauka," UzSSR, 1965. 277 p. (MIRA 18:5)

1. Nauchnaya konferentsiya po voprosam primeneniya matematicheskikh metodov i EVM v ekonomicheskikh issledovaniyakh, Tashkent, 1963. 2. Chlen-korrespondent AN UzbekSSR (for Kabulov). 3. AN UzbekSSR (for Muminov).

BALABAN,P.; UBAYDULLAYEV,Kh.; MIROLYUBOV,V.; KISHKO,G.; KIYASHCHENKO,V., laborant

Changes and improvements in the properties of clays. Stroi.mat., izdel. i konstr. 1 no.8:22-23 Ag'55. (MIRA 8:11)

1. Glavnyy inzhener Voroshilovgradskogo kirpichnogo zavoda no.21 (for Kishko)

(Clay)

KATS, B.A., kand.tekhn.nauk; SHMITKINA, V.M.; Prinimali uchastiye: UBAYDULLAYEV, Kh.; VORONINA, L.D.; SHCHEBEL'NIKOVA, G.I.

Dependence of the quality of cottonseed oil on the depth of its extraction by benzene from the prepressed cottonseed cake. Masl.-zhir. prom. 27 no.6:10-12 Je '61. (MIRA 14:6)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov.
(Cottonseed oil)

TORBIN, B.F., inzh.; UBAYDULLAYEV, Kh.; ZUFAROV, D.Z., inzh.; Prinimali uchastiye: TONKIKH, P.I.; TORBINA, N.A.

Preparation of cottonseed meal for storage. Masl.-zhir.prom. 28 no.2:39-42 F '62. (MIRA 15:5)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (for Torbin, Ubaydullayev). 2. Yangiyul'skiy maslozhirovoy kombinat (for Zufarov).
(Cottonseed)

UBAYDULLAYEV, R., mladshiy nauchnyy sotrudnik

Data for establishing permissible concentrations of furfurole in the air. Gig. i san. 26 no.7:3-10 Jl '61. (MIRA 15:6)

1. Iz Uzbekskogo nauchno-issledovatel'skogo instituta gigiyeny, sanitarii i professional'nykh zabolevaniy i kafedry kommunal'noy gigiyeny TSentral'nogo instituta usovershenstvovaniye vrachey.
(AIR--POLLUTION) (FURALDEHYDE)

UBAYDULLAYEV, R., mladshiy nauchnyy sotrudnik

Pollution of air by furfurole and its hygienic importance. Pred. dop. kontsent. atmosf. zagr. no.7:11-31'63. (MIRA 16:10)

1. Iz Uzbekskogo nauchno-issledovatel'skogo Instituta gigiyeny, sanitarii i professional'nykh zabolevaniy i kafedry kommunal'noy gigiyeny TSentral'nogo instituta usovershenstvovaniya vrachey.

(AIR POLLUTION) (FURALDEHYDE)

UBAYDULLAYEV, R.U.

Modified methods of determining furfural in the air. Lab. delo 10 no.5:300-302 '64. (MIRA 17:5)

1. Uzbekskiy nauchno-issledovatel'skiy institut sanitarii, gigiyeny i professional'nykh zabolevaniy (direktor - dotsent A.Z. Zakhidov).

MIRZAYEV, T.[illegible]; UBAYD[illegible]V, T.[illegible]

X-ray data [illegible] the functional state [illegible] and the duodenum in [illegible]itis. Trudy Inst. [illegible] eksper. med. no.5:[illegible] '63. (MIRA 17:6)

ERGASHEV, A.E.; UBAYDULLAYEV, U.; KHASANOV, O.

Reviews. Uzb. biol. zhur. 9 no.1:70-71 '65. (MIRA 18:6)

1. Institut botaniki AN UzSSR.

UBAYDULLAYEV, U.

Anatomy of leaves of various representatives of Juno Tratt.
Dokl. AN Uzb. SSR no.3:49-53 '58. (MIRA 11:6)

1. Institut botaniki AN UzSSR. Predstavleno akademikom AN UzSSR T.Z. Zakhidovym.

(Xerophytes) (Leaves--Anatomy)

UBAYDULLAYEV, U., Cand of Bio Sci -- (diss) "Anatomical-Ecological Study of Ephemeridae and Ephemers in the Foothills of Western Tien-Shen," Tashkent, 1959, 16 pp (Institute of Botany, Acad Sci. USSR) (KL 4-60, 117)

UBAYDULLAYEV, U.

Development of isopalisadic leaves in the genus Delphinium L.
Uzb.biol.zhur. no.1:21-26 '59. (MIRA 12:7)

1. Institut botaniki AN UzSSR.
(Tashkent Province--Larkspur) (Leaves--Anatomy)
(Plants, Effect of aridity on)

UBAYDULLAYEV, U.

Anatomy of the vegetative organs of the sainfoin Onobrychis pulchella Schrenk. Uzb. biol. zhur. 6 no.2:5-10 '62. (MIRA 15:4)

1. Institut botaniki AN UzSSR.
(SAINFOIN)

L 45512-66 EWT(d)/EWT(m)/EWP(h)/T-2/EWP(w) IJP(c) EM

ACC NR: AT6018248 SOURCE CODE: UR/3021/64/000/259/0163/0167

AUTHORS: Burkova, M. V.; Gerasina, S. A.; Dzhordzhio, V. A.; Dzhurayev, A. D.; Kem, L. I.; Neushkin, A. I.; Petrosyants, M. A.; Ubaydullayeva, I.; Romanov, N. N.

ORG: none

TITLE: Some statistical data on the bumps of the TU-104 aircraft

SOURCE: Tashkent. Universitet. Nauchnyye trudy, no. 259. Fizicheskiye nauki, no. 23, 1964. Fizika atmosfery i aviatsionnaya meteorologiya (Physics of the atmosphere and aviation meteorology), 163-167

TOPIC TAGS: aircraft, wind direction, wind velocity, statistic analysis, meteorologic observation / TU-104 aircraft, IL-18 aircraft

ABSTRACT: The results of about 900 special research flights with TU-104 aircraft and a smaller number of flights with IL-18 aircraft are given. The routes were Tashkent to Novosibirsk, Tashkent to Moscow, and Tashkent to Simferopol'. Three problems are considered: the flight conditions as a function of wind velocity, of wind direction, and of the angle between the fuselage of the aircraft and the wind vector. It is found that there is no statistical confirmation for the hypothesis that there is a genetic relationship between a strong bump and zones of moderate gales. In the zones of winds with a southern component, a strong bump is observed

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L 45512-66

ACC NR: AT6018248

apprcximately five times more frequently than in winds with a northern component. The popular hypothesis that the probability of gncountering a bump zone is greater in flights where the angles to the air stream are great is refuted by the data obtained. Orig. art. has: 3 tables.

SUB CODE: 04, 01/ SUBM DATE: none/ ORIG REF: 001

hs

Card 2/2

UBAYEV, Kh.; YULDASHEV, P. Kh.; YUNUSOV, S. Yu., akademik

Studying the root alkaloids of Vinca erecta Pgl. et Schmalh.
Dokl. AN Uz.SSR 21 no. 10 34-37 '64 (MIRA 19:1)

1. Institut khimii rastitel'nykh veshchestv AN UzSSR. 2. AN UzSSR (for Yunusov). Submitted May 22, 1964.

L 25617-66 EWT(1)/RO

ACC NR: AP6016111 SOURCE CODE: UR/0062/65/000/011/1992/1995

AUTHOR: Ubayev, Kh. U.; Yuldashev, P. Kh.; Yunusov, S. Yu.

ORG: Institute of the Chemistry of Plant Substances, AN UzSSR (Institut khimii rastitel'nykh veshchestv AN UzSSR)

TITLE: Structure of vincanidine--an alkaloid of the roots of Vinca erecta Rgl. et Schmalh

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 11, 1965, 1992-1995

TOPIC TAGS: alkaloid, UV spectrum, IR spectrum, chemical structure

ABSTRACT: The nature of the ultraviolet and infrared spectra, large angle of rotation, and color indicate the presence in the vincanidine molecule of the chromophore system of alpha-methyleneindoline, conjugated with an aldehyde group, which is confirmed by the production of decomposition products of vincanidine: heating with 20% hydrochloric acid yielded an indolenine derivative; reduction of the indolenine base with zinc and sulfuric acid in absolute methanol and with sodium borohydride in acid medium yielded a crystalline indoline derivative. The indolenine base, when reduced with sodium borohydride in alkaline medium and with a platinum catalyst according to Adams in alcohol, forms an indole base. Such a complex chromophore system is characteristic of alkaloids of the vincanine-akuamicine type. Work on the establishment of the position of the phenolic hydroxyl is continuing. [JPRS]

SUB CODE: 07 / SUBM DATE: 29Jul63 / ORIG REF: 002 / OTH REF: 006

Card 1/1 UDC: 547.94

UBAYEV, Kh.; YULDASHEV, P.Kh.; YUNUSOV, S.Yu.

Study of alkaloids of Pedicularis olgae RGL. Uzb.khim.zhur. 7 no.3: 33-36 '63. (MIRA 16:9)

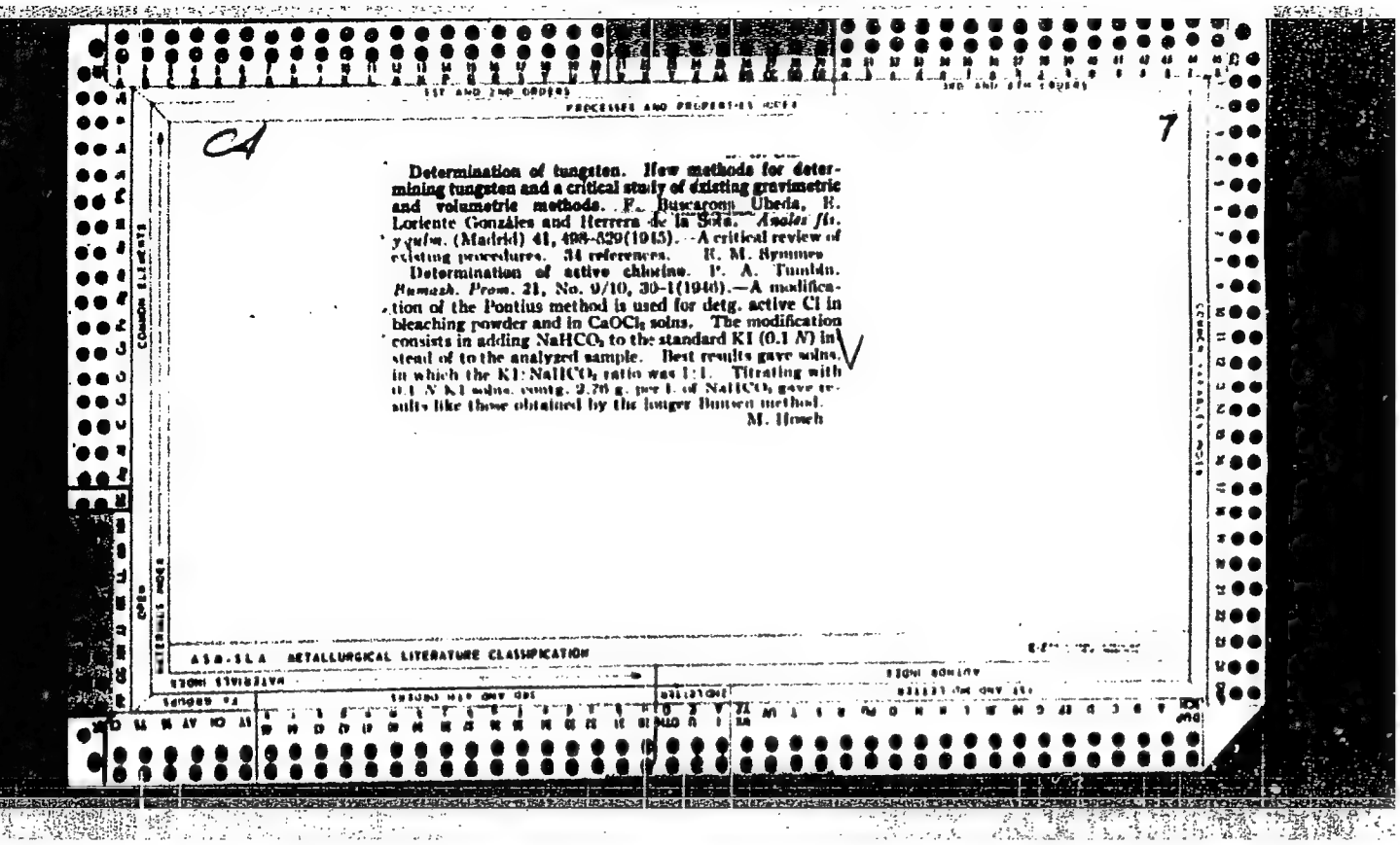
1.Institut khimii rastitel'nykh veshchestv AN UzSSR.
(Figwort) (Alkaloids)

UBECKI, J.

"How I Increase Sugar-Beet Production; excerpts from a competitive letter." p. 5

"First Sowing" p. 6 (Plon, Vol. 5, No. 4, Apr. 1954)

SO: Monthly List of ~~Russian~~ East European Accessions, Library of Congress, Vol. 3, No. 6 June 1954 ~~xx1953x~~ Uncl.



CA 7

Determination of tungsten. New methods for determining tungsten and a critical study of existing gravimetric and volumetric methods. F. Buscarons Ubeda, R. Loriente Gonzáles and Herrera de la Sota. *Anales fis. y quím.* (Madrid) 41, 498-529(1945). —A critical review of existing procedures. 34 references. R. M. Symmes

Determination of active chlorine. P. A. Tunildn. *Rumask. Prom.* 21, No. 9/10, 30-1(1946).—A modification of the Pontius method is used for detg. active Cl in bleaching powder and in $CaOCl_2$ solns. The modification consists in adding $NaHCO_3$ to the standard KI (0.1 *N*) instead of to the analyzed sample. Best results gave solns. in which the KI: $NaHCO_3$ ratio was 1:1. Titrating with 0.1 *N* KI solns. contg. 2.76 g. per l. of $NaHCO_3$ gave results like those obtained by the longer Bunsen method.

M. Hoch

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

UBEL, V. G.

PERIODICAL ABSTRACTS

Sub.: USSR/Engineering AID 4196 - P

PATON, B. E., O. S. ZABARILO and V. G. UBEL'
PRIMENENIYE OKHLAZHDAYEMYKH METALLICHESKIKH KOKILEY DLYA VYPLAVKI FLYUSA V ELEKTROPECHAKH (Adaptation of Cooled Metal Chill Moulds for Smelting Flux in Electric Furnaces). Avtomaticheskaya svarka, no. 1, Ja/F 1956: 65-69.

The authors describe their experiments with smelting of fluxes in electric furnaces at the Institute of Electric Welding im. Paton. They used plain and fettled water-cooled metal chill moulds, and found that the latter method presents certain advantages. At Khartzyzsk (Stalinskaya Oblast) Tubing Plant similar experiments were made in smelting the AN-11 pumiceous flux, and it was discovered that carbonic fettling in their 1/2-ton 3-phase electric furnaces could be eliminated by an increase of the transformer capacities and construction of efficient metal chill moulds. Three tables and two drawings.

S/125/62/000/002/010/010
D040/D113

AUTHOR: Ubel', V.S.

TITLE: At the Coordination Council

PERIODICAL: Avtomaticheskaya svarka, no. 2, 1962, 94

TEXT: A session of the Koordinatsionnyy sovet po svarke (Coordination Council for Welding) took place on November 3, 1961, at the Institut elektrosvarki im. Ye. O. Patona (Electric Welding Institute im. Ye.O. Paton) for considering and approving thematic plans for 1962 in research, designing and technology. B.Ye. Paton, Academician of the AN USSR (AS UkrSSR), Chairman of the Council, reported on work done in 1961. The Council considered 134 plans submitted by Soviet research and education institutes, plants and organizations. Most themes dealt with the application of welding and had been developed in cooperation with industry. Research data into the primary crystallization of weld metal, hot and cold cracks, physical and chemical processes in the welding pool, the physics of heat sources, of electron beam and diffusion welding, heat resistance, corrosion resistance, etc., were utilized. The following themes were discussed: elimination of normalization after electro-slag welding; mechanization and automation

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At the Coordination Council

of surfacing operations; new methods of coating work surfaces with wear-resistant corrosionproof and heatproof coatings using induction and electron beam heating, and mechanized open-arc surfacing with powder wire; research on joints welded at low temperatures; development of equipment for gas-electric welding, for welding pipes to pipe boards, and development of standardized automatic welders for submerged-arc welding and welding in shielding gas; new automatic control and automatic process regulation systems for program-controlled oxygen-cutting machines. Underdeveloped research in the following fields is mentioned: the theory of heat processes in electro-slag and other new welding methods; the theoretical basis of modifying the weld metal structure by adding small quantities of alloying elements and by ultrasonic treatment; effective means for preventing local destructions in welds in austenitic steels at high-temperatures and stress service, etc; the brazing of metals, production economics, welding safety. The Council recommended (1) to include work in these fields into the plans of the IES, TsNIITMASh, TsKTI, IMET, NIAT, MVTU and other establishments, (2) to exclude from plans some themes on which sufficient data has been obtained and include such themes into the plans for practical application, (3) to coordinate preliminarily

Card 2/3

t the Coordination Council

the research programs of some organizations and (4) to convene thematic coordination sessions on a number of problems. The Council approved an All-Union pla for conducting conferences on welding techniques.